

# Recombinant Human EGFR Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** EGFR-629HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human EGFR Protein (25-378aa), was expressed in HEK293 with C-terminal Fc tag and Alexa Fluor 647 conjugate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 25-378 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | <p> LEEKKGNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFK<br/> DSLSINATNI KHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLI<br/> QAWPENRTDLHAFE NLEIIRGRTKQHGGQFSLAVVSLNITSLGLRSLKEISDGDVIISG<br/> NKNLCYANTINWKKLFGTSGQ KTKIISNRGENSCKATGQVCHALCSPEGCWGPEP<br/> RDCVSCRNVSRGRECVDKCNLLEGEPREFVE NSECIQCHPECLPQAMNITCTGRG<br/> PDNCIQCAHYIDGPHCVKTCPAGVMGENNTLVWKYADAGHV CHLCHPNCTYGCT<br/> GPGLEGCPNTPGPKIPSVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFL FPPK<br/> PKDTLMISRTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV<br/> VSVLT VLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEM<br/> TKNQVSLTCLVKGF YPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDK<br/> SRWQQGNVFCFSVMHEALHNHYT QKSLSLSPGK </p> |
| <b>Endotoxin</b>        | < 0.1 ng/                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                                |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | μg (1 EU/ μg).                                                                                                                                                                                                                                                                 |
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                                               |
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                                                              |
| <b>Storage</b>        | Lyophilized protein should be stored at < -20 centigrade, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 centigrade for 2-7 days. Aliquots of reconstituted samples are stable at < -20 centigrade for 4 months.           |
| <b>Storage Buffer</b> | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4                                                                                                                                                                                                                     |
| <b>Reconstitution</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| <b>Shipping</b>       | The product is shipped at ambient temperature.                                                                                                                                                                                                                                 |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                                                                                                                                |

## GENE INFORMATION

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| <b>Gene Name</b>       | EGFR epidermal growth factor receptor [ Homo sapiens ] |
| <b>Official Symbol</b> | EGFR                                                   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>       | EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61; |
| <b>Gene ID</b>        | <a href="#">1956</a>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>    | <a href="#">NM_201283</a>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b> | <a href="#">NP_958440</a>                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>            | <a href="#">131550</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>     | <a href="#">P00533</a>                                                                                                                                                                                                                                                                                                                                                                                                                                           |