# Recombinant Human EGFR Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** EGFR-629HAF488 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human EGFR Protein (25-378aa), was expressed in HEK293 with C-terminal Fc tag and Alexa Fluor 488 conjugate. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 25-378 aa |
| **Form** | Lyophilized |
| **AA Sequence** | LEEKKGNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFK DSLSINATNI KHFKNCTSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLI QAWPENRTDLHAFE NLEIIRGRTKQHGQFSLAVVSLNITSLGLRSLKEISDGDVIISG NKNLCYANTINWKKLFGTSGQ KTKIISNRGENSCKATGQVCHALCSPEGCWGPEP RDCVSCRNVSRGRECVDKCNLLEGEPREFVE NSECIQCHPECLPQAMNITCTGRG PDNCIQCAHYIDGPHCVKTCPAGVMGENNTLVWKYADAGHV CHLCHPNCTYGCT GPGLEGCPTNGPKIPSVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPSVFL FPPK PKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV VSVLT VLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEM TKNQVSLTCLVKGF YPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDK SRWQQGNVFSCSVMHEALHNHYT QKSLSLSPGK |
| **Endotoxin** | < 0.1 ng/ |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| | μg (1 EU/ μg). |
| **Purity** | > 95 % as determined by SDS-PAGE |
| **Characteristic** | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm |
| **Storage** | 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. |
| **Storage Buffer** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4 |
| **Reconstitution** | 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. |
| **Shipping** | The product is shipped at ambient temperature. |
| **Conjugation** | Alexa Fluor 488 |

## GENE INFORMATION

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| **Gene Name** | EGFR epidermal growth factor receptor [ Homo sapiens ] |
| **Official Symbol** | EGFR |

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| **Synonyms** | 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; |
| **Gene ID** | 1956 |
| **mRNA Refseq** | NM_201283 |
| **Protein Refseq** | NP_958440 |
| **MIM** | 131550 |
| **UniProt ID** | P00533 |

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