

## Active Recombinant Human EGFR Protein, His-GST-tagged, FITC conjugated

Cat. No. EGFR-31HF    Lot. No. (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Recombinant Human EGFR Protein cytoplasmic domain (NP_005219, 668-1210aa), was produced in Baculovirus-Insect cells with N-terminal His-tagged, GST tag and FITC conjugate. |
| <b>Species</b>                      | Human                                                                                                                                                                       |
| <b>Source</b>                       | Insect Cells                                                                                                                                                                |
| <b>ProteinLength</b>                | 668-1210 aa                                                                                                                                                                 |
| <b>Form</b>                         | Liquid                                                                                                                                                                      |
| <b>Bio-activity</b>                 | The specific activity was determined to be 140 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.                                                                            |
| <b>Molecular Mass</b>               | 89.1 kDa                                                                                                                                                                    |
| <b>N-terminal Sequence Analysis</b> | Met                                                                                                                                                                         |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg protein as determined by the LAL method.                                                                                                                       |
| <b>Purity</b>                       | > 85 % as determined by SDS-PAGE                                                                                                                                            |

 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>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with FITC via amines<br>Excitation source: 488 nm spectral line, argon-ion laser<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 535 nm |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -20 centigrade.                                                                                                         |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                    |
| <b>Storage Buffer</b> | Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                              |
| <b>Shipping</b>       | Shipped out with blue ice.                                                                                                                                                             |
| <b>Conjugation</b>    | FITC                                                                                                                                                                                   |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | EGFR epidermal growth factor receptor [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | EGFR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | EGFR; epidermal growth factor receptor; EC 2.7.10.1; ERBB; ERBB1; HER1; PIG61; mENA; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog); epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian); EC 2.7.10; Proto-oncogene c-ErbB-1; OTTHUMP00000159661; OTTHUMP00000159662; OTTHUMP00000159663; |

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OTTHUMP00000209210; OTTHUMP00000209211

|                |           |
|----------------|-----------|
| Gene ID        | 1956      |
| mRNA Refseq    | NM_005228 |
| Protein Refseq | NP_005219 |
| MIM            | 131550    |
| UniProt ID     | P00533    |

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