

Active Recombinant Human EGFR Protein, His-tagged

Cat. No. EGFR-12H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human EGFR Protein (668-end aa), was expressed in Sf9 insect cells (via baculovirus) with N-terminal His tag. |
| Species | Human |
| Source | Insect Cells |
| ProteinLength | 668-end a.a. |
| Description | The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). |
| Bio-activity | 31 nmol/min/mg |
| Molecular Mass | Approx 68-78 kDa |
| Purity | > 90% |
| Stability | One year at -70 centigrade from date of shipment. |

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|-----------------------|--|
| Storage | Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| Concentration | 0.1 µg/µL |
| Storage Buffer | Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.25 mM DTT25%glycerol. |
| Shipping | Dry ice. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | EGFR epidermal growth factor receptor [Homo sapiens (human)] |
| Official Symbol | EGFR |
| Synonyms | EGFR; epidermal growth factor receptor; ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; epidermal growth factor receptor; EGFR VIII; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor tyrosine kinase domain; erb-b2 receptor tyrosine kinase 1; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1; EC 2.7.10.1 |
| Gene ID | 1956 |
| mRNA Refseq | NM_005228 |
| Protein Refseq | NP_005219 |
| MIM | 131550 |

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UniProt ID

P00533

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