

Recombinant Human EGFR Protein, GST-tagged

Cat. No. EGFR-10H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human EGFR Protein (d746-750 deletion, T790M/C797S mutation, 668-end aa), was expressed in Sf9 insect cells (via baculovirus) with N-terminal GST 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).

Molecular Mass 89~100 kDa

Purity >70%

Stability One year at -70 centigrade from date of shipment.

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

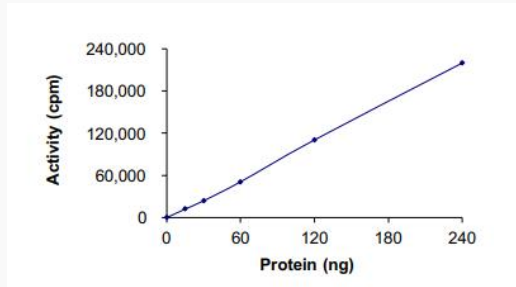
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|-------------------------|---|
| Storage | Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| Concentration | 0.1 $\mu\text{g}/\mu\text{L}$ |
| Storage Buffer | 50 mM Tris-HCl, pH7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol. |
| GENE INFORMATION | |
| 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 |
| UniProt ID | P00533 |

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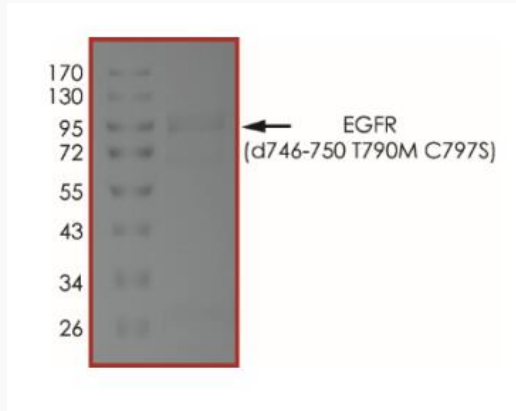
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Specific Activity



The Specific Activity of EGFR (d746-750 T790M C797S) was determined to be 54 nmol/min/mg

Purity



The purity of EGFR (d746-750 T790M C797S) was determined to be > 70% by densitometry