

Recombinant Human Epidermal Growth Factor Receptor/EGFR/ErbB1/HER1 Protein(C-Fc)

Cat.NO.: TP05145

3th Edition

Synonyms:Epidermal growth factor receptor;Proto-oncogene c-ErbB-1;Receptor tyrosine-protein kinase erbB-1;EGFR;ERBB; ERBB1; HER1

Description:EGFR 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. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLCgamma-PKC and STATs modules. May also activate the NF-kappa-B signaling cascade. Also directly phosphorylates other proteins like RGS16, activating its GTPase activity and probably coupling the EGF receptor signaling to the G protein-coupled receptor signaling.

Form:PBS

Molecular Weight:95.7 kDa

Sequences:Leu25-Ser645

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.