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Product Datasheet

Recombinant Human EGFR (C-Fc) EBT-EPT180

Article Name	Recombinant Human EGFR (C-Fc)
Biozol Catalog Number	EBT-EPT180
Supplier Catalog Number	EPT180
Alternative Catalog Number	EBT-EPT180-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Epidermal Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Leu25-Ser645 is expressed with a Fc tag at the C-terminus....
Molecular Weight	Molecular weight: 95.7 KDa. Apparent molecular weight: 120-160 KDa, reducing conditions
UniProt	P00533
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: 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.
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