

Product datasheet for **TP727178**

EGFR Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Epidermal Growth Factor Receptor/EGFR/ErbB1/HER1 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Leu25-Ser645
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	1956
UniProt ID:	P00533
Summary:	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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