EGFR/ErbB1/HER1 (C-Fc), Human, Recombinant

Cat. No. : PCK088

General Information

Synonyms	Epidermal Growth Factor Receptor;Proto-oncogene c-ErbB-1;Receptor tyrosine- Protein kinase erbB-1;EGFR;ERBB;ERBB1;HER1
Species	Human
Expression host	Human Cells
Sequence	Leu25-Ser645
Accession	P00533
Tag	C-Fc
Mol mass	95.7 kDa
Expiration date	12 months

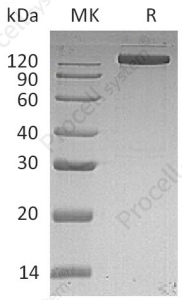
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

EGFR is a transmembrane glyco Protein 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 N F-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.

SDS-PAGE



Procell system®