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

货号：PCK088

产品信息

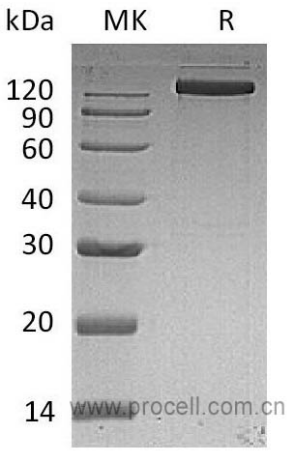
别名	Epidermal Growth Factor Receptor; Proto-oncogene c-ErbB-1; Receptor tyrosine-Protein kinase erbB-1; EGFR; ERBB; ERBB1; HER1
物种	Human
表达宿主	Human Cells
序列信息	Leu25-Ser645
检索号	P00533
分子量	95.7 kDa
标签	C-Fc

产品特性

纯度	>95% as determined by reducing SDS-PAGE.
内毒素	< 1.0 EU per μg as determined by LAL test.
保存	Lyophilized protein should be stored at -5~-20℃, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20℃ for 3 months.
运输	Ambient temperature or ice pack.
制剂	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.

复融	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 distilled water.Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

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 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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