

Recombinant Human EGFR/HER1 Protein, hFc Tag

产品信息

产品名称	产品编号	规格
Recombinant Human EGFR/HER1 Protein, hFc Tag	93122ES25	25 µg
	93122ES60	100 µg
	93122ES76	500 µg
	93122ES80	1 mg

产品描述

The EGFR subfamily of receptor tyrosine kinases comprises four members: EGFR, ErbB2, ErbB3, and ErbB4. All family members are type I transmembrane glycoproteins. EGFR binds a subset of the EGF family ligands, including EGF, amphiregulin, TGF- α , betacellulin, epiregulin, and HB-EGF. Ligand binding induces EGFR homodimerization as well as heterodimerization with ErbB2, resulting in kinase activation, heterodimerization tyrosine phosphorylation and cell signaling. EGFR signaling regulates multiple biological functions including cell proliferation, differentiation, motility, and apoptosis. EGFR is overexpressed in a wide variety of tumors and is the target of several anti-cancer drugs.

产品性质

别名	ErbB ;EGFR; mENA; LEGFR; ERBB; ERBB1; HER1; PIG61; NISBD2
Uniprot No.	P00533
表达区间及表达系统	Recombinant Human EGFR/HER1 Protein is expressed from HEK293 Cells with hFc tag at the C-terminal. It contains Leu25-Ser645.
分子量	Approximately 95.2 kDa. Due to glycosylation, the protein migrates to 140-160 kDa based on Tris-Bis PAGE result.
纯度	> 95% as determined by SDS-PAGE and HPLC.
活性	ELISA Data: Immobilized Human EGF at 2µg/ml (100µl/well) on the plate. Dose response curve for Human EGFR, hFc Tag with the EC50 of 81.0ng/ml determined by ELISA.
内毒素	< 1.0 EU per 1µg of the protein by the LAL method.
制剂	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 °C under sterile conditions after reconstitution.

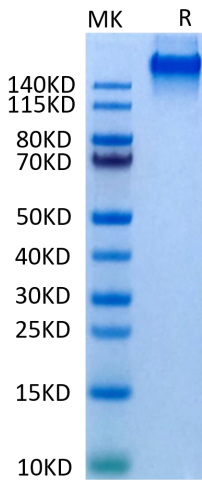
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

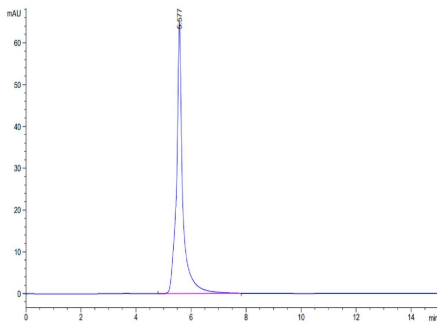
产品数据

Tris-Bis PAGE



Human EGFR/HER1 on Tris-Bis PAGE under reduced condition.
The purity is greater than 95%.

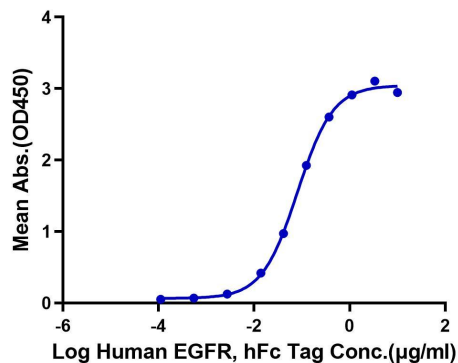
SEC-HPLC



The purity of Human EGFR/HER1 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human EGFR, hFc Tag ELISA 0.2 μ g Human EGF, No Tag Per Well



Immobilized Human EGF at 2 μ g/ml (100 μ l/well) on the plate. Dose response curve for Human EGFR, hFc Tag with the EC₅₀ of 81.0ng/ml determined by ELISA.