

EGFR/ ErbB1/ HER1 (C-6His), Human, Recombinant

货号: PCK087

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 P

序列信息 Leu25-Ser645

检索号 P00533

分子量 69.6 kDa

标签 C-6His

生物活性 Loaded Anti-Human EGFR mAb-Fc on Pro A Biosensor, can bind Recombinant

Human EGFR-His with an affinity constant of 7.23 nM as determined in BLI assay.

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°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.

运输 Ambient temperature or ice pack.

制剂 Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 8% Sucrose,

50mM Nacl, 0.05% Tween80, pH8.0.

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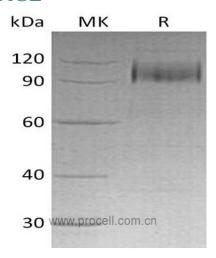
复融

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.

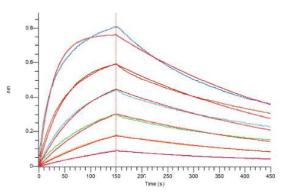
背景介绍

The EGFR subfamily of Receptor tyrosine kinases is composed of EGFR, ErbB2, ErbB3 and ErbB4. The EGFR shares 43% - 44% aa sequence identity with the ECD of human EGFR subfamily. All these family members are type I transmembrane glyco Proteins with an extracellular Ligand binding domain. The extracellular Ligand binding domain is containing two cysteine-rich domains separated by a spacer region and a cytoplasmic domain containing a membrane-proximal tyrosine kinase domain. Ligand binding could induce EGFR homodimerization and heterodimerization with ErbB2, resulting in cell signaling, heterodimerization tyrosine phosphorylation and kinase activation. It can bind EGF, amphiregulin, TGF-alpha, betacellulin, epiregulin, HB-EGF, epigen, and so on. Its signaling regulates multiple biological functions including cell proliferation, differentiation, motility, and apoptosis. EGFR can also be recruited to form heterodimers with the Ligand-activated ErbB3 or ErbB4. EGFR is overexpressed in different tumors. Several anti-cancer drugs use EGFR as target.

SDS-PAGE



生物活性



Loaded Anti-Human EGFR mAb-Fc on Pro A Biosensor, can bind Recombinant Human EGFR-His with n affinity constant of 7.23 nM as determined in BLI assay

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