

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

货号 : PCK087

产品信息

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| 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 | 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

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| 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. |



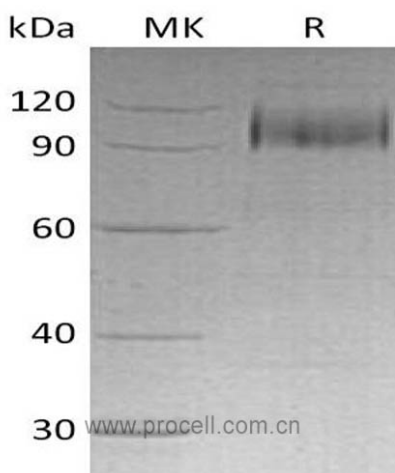
复融

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.

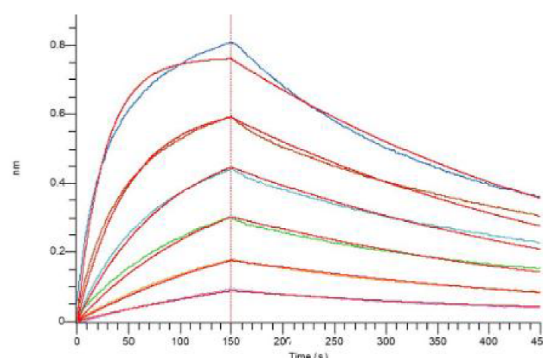
背景介绍

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- α , 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 an affinity constant of 7.23 nM as determined in BLI assay.

