

Biotinylated Recombinant Human EGFR/HER1 Protein, His-Avi Tag

产品信息

| 产品名称 | 产品编号 | 规格 |
|---|-----------|--------|
| | 93126ES60 | 100 µg |
| Biotinylated Recombinant Human EGFR/HER1 Protein, His-Avi Tag | 93126ES76 | 500 µg |
| | 93126ES80 | 1 mg |

产品描述

The epidermal growth factor receptor is a transmembrane protein that is a receptor for members of the epidermal growth factor family of extracellular protein ligands. The EGFR subfamily of receptor tyrosine kinases comprises four members: EGFR, HER2, HER3 and HER4. Within the ECD, human EGFR shares 88% aa sequence identity with mouse and rat EGFR. EGFR binds a subset of the EGF family ligands, including EGF, amphiregulin, TGF- α , betacellulin, epiregulin, HB-EGF, and epigen. EGFR signaling regulates multiple biological functions including cell proliferation, differentiation, motility, and apoptosis.

产品性质

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|-------------------------|--|
| Synonyms | ErbB; EC 2.7.10; EC 2.7.10.1; EGFR; mENA; LEGFR; ERBB; ERBB1; HER1; PIG61; NISBD2 |
| Uniprot No. | P00533-1 |
| Source | Recombinant Biotinylated Human EGFR/HER1 Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Leu25-Ser645. |
| Molecular Weight | The protein has a predicted MW of 71.5 kDa. Due to glycosylation, the protein migrates to 90-120 kDa based on Tris-Bis PAGE result. |
| Purity | > 95% as determined by SDS-PAGE and HPLC |
| Activity | SPR data: Biotinylated Human EGFR, His-Avi Tag captured on CM5 Chip via Anti-his antibody can bind Human EGF, No Tag with an affinity constant of 0.64 nM as determined in SPR assay. |
| Endotoxin | < 1.0 EU per 1µg of the protein by the LAL method. |
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization. |
| Reconstitution | 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.

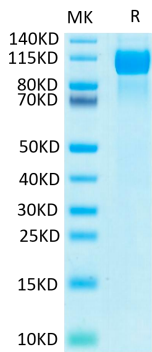
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

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

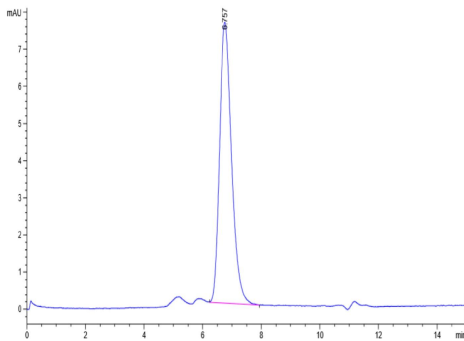
产品数据

Tris-Bis PAGE



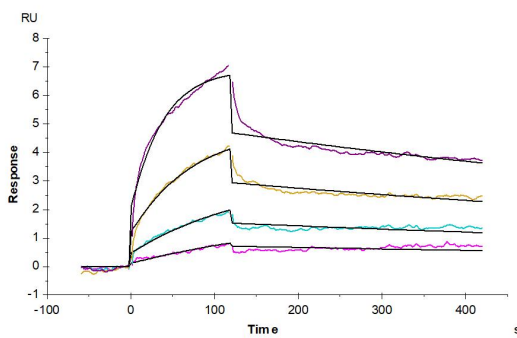
Biotinylated Human EGFR/HER1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



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

SPR Data



Biotinylated Human EGFR, His-Avi Tag captured on CM5 Chip via Anti-his antibody can bind Human EGF, No Tag with an affinity constant of 0.64 nM as determined in SPR assay (Biacore T200).

HB221103