

FITC-Labeled Recombinant Human HER1/ERBB1/EGFR Protein

Catalog No.: RP00498F **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	1956	P00533-1

Tags

C-His&Avi

Synonyms

ErbB; EC 2.7.10; EC 2.7.10.1; EGFR; mENA; LEGFR; ERBB; ERBB1; HER1; PIG61; NISBD2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE > 95% by HPLC

Calculated MW	Observed MW
71.5 kDa	90-115 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

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 epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.

Basic Information

Description

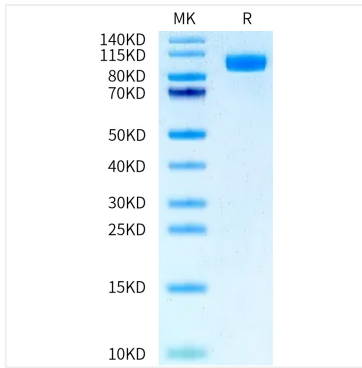
FITC-Labeled Recombinant Human ERBB1/HER1/EGFR Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ser645) of Human ERBB1/HER1/EGFR (Accession #P00533-1) fused with a C-His&Avi tag at the C-terminus.

Bio-Activity

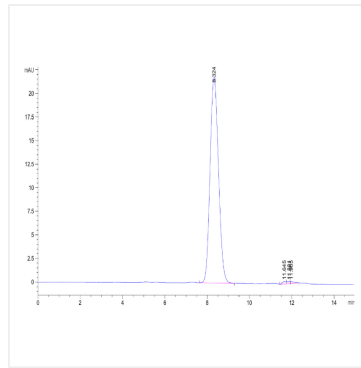
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



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



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