

FITC-Labeled Recombinant Human HER1/ERBB1 /EGFR (25-378) Protein

Catalog No.: RP00500FLQ

Sequence Information

Species	Gene ID
Human	1956
Swiss Prot	Tags
NP_001333870.1	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 % as determined by SDS-PAGE.

Calculated MW	Observed MW
41.6 kDa	68-80 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Supplied as 0.22 μm filtered solution in PBS (pH 7.4).

Reconstitution

Background

The epidermal growth factor receptor (EGFR) is overexpressed in a variety of human epithelial tumors, often as a consequence of gene amplification. Tumors with EGFR gene amplification frequently contain EGFR gene rearrangements, with the most common extracellular domain mutation being EGFRvIII. This mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.

Basic Information

Description

FITC-Labeled Recombinant Human ERBB1/HER1/EGFR (25-378) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu25-Ser378) of Human ERBB1/HER1/EGFR (25-378) (Accession #NP_001333870.1) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

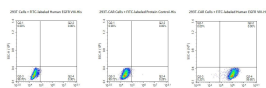
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

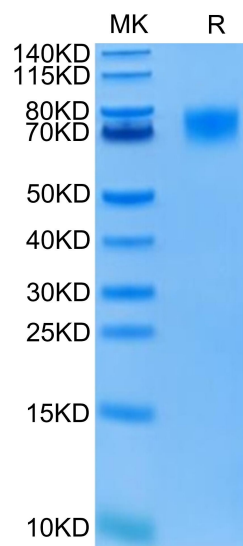
Contact

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Validation Data



FACS Analysis of Anti-EGFRVIII CAR Expression. 293T cells were transfected with anti-EGFRVIII-scFv and His tag. Cells were incubated with 5 µg/mL FITC-Labeled Human EGFRVIII, His Tag and FITC-labeled protein control. Non-transfected 293T cells and FITC-labeled protein control were used as negative control.



FITC-Labeled Recombinant Human HER1/ERBB1/EGFR (25-378) Protein was determined by Tris-Bis PAGE under reducing conditions.