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

RPCB0590

Protein Information

Size:	100 µg	**Tag:**	C-His&Avi
Reactivity:	Human	**Expressed Host:**	-
Calculated MW:	41.6 kDa	**Observerd MW:**	60-78 kDa

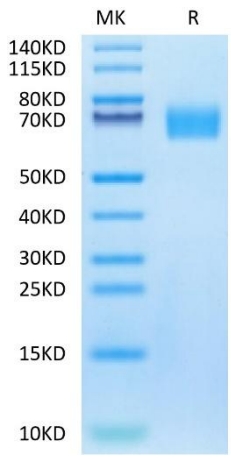
Background

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.

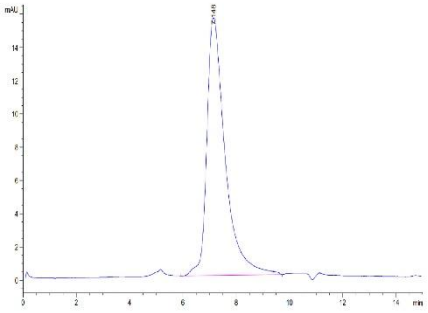
Properties

Synonyms:	ErbB, EC 2.7.10, EC 2.7.10.1, EGFR, mENA, LEGFR, ERBB, ERBB1, HER1, PIG61, NISBD2
Gene ID:	1956
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Biotinylated Recombinant Human HER1/ERBB1/EGFR (25-378) Protein (RPCB0590), tested reactivity in HEK293 cells and has been validated in SDS-PAGE.100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.
Storage:	Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.

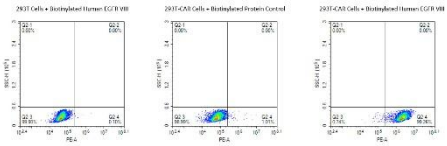
Validation Data



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



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



Use Biotinylated Human EGFRVIII, His Tag protein to detect the expression rate of Anti-EGFRVIII-CAR positive cell. 293T cells and anti-EGFRVIII CAR-293T cells were incubated with Biotinylated human EGFR VIII-His Tag. Non-transfected 293T cells and Biotinylated protein control were used as negative control. SA-PE was used to evaluate the binding activity of Biotinylated Human EGFR VIII.