

Recombinant Mouse EGFR/HER1 Protein

RPCB1995

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	Tag:	C-6His
Reactivity:	Mouse	Expressed Host:	HEK293 cells
Calculated MW:	70.60 kDa	Observed MW:	100-130 kDa

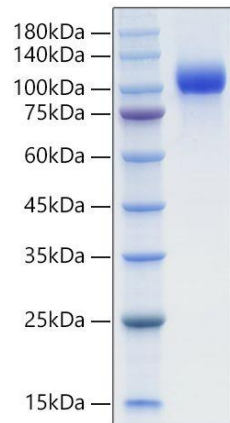
Background

As a member of the epidermal growth factor receptor (EGFR) family, EGFR protein is type I transmembrane glycoprotein that binds a subset of EGF family ligands including EGF, amphiregulin, TGF- α , betacellulin, etc. EGFR protein plays a crucial role in signaling pathway in the regulation of cell proliferation, survival and differentiation. Binding of a ligand induces EGFR protein homo- or heterodimerization, the subsequent tyrosine autophosphorylation and initiates various down stream pathways (MAPK, PI3K/PKB and STAT). In addition, EGFR signaling also has been shown to exert action on carcinogenesis and disease progression, and thus EGFR protein is proposed as a target for cancer therapy currently.

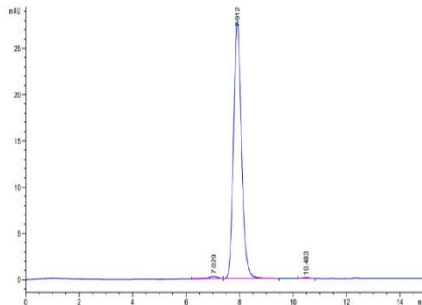
Properties

Synonyms:	Egfr, Epidermal growth factor receptor
Gene ID:	13649
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Mouse EGFR/HER1 Protein (RPCB1995), 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°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.

Validation Data



Recombinant Mouse EGFR/HER1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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