

Recombinant Human ERBB2/HER2/CD340 (489-630) Protein

RPCB0582

Protein Information

Size:	100 µg	Tag:	C-His&Avi
Reactivity:	Human	Expressed Host:	E. coli
Calculated MW:	18.5 kDa	Observed MW:	28-40 kDa

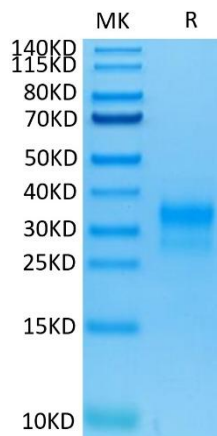
Background

ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane.

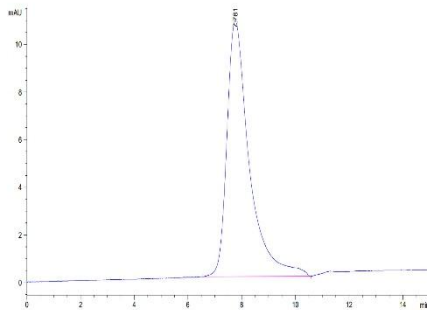
Properties

Synonyms:	CD340, EGFR2, ErbB2, HER2, HER-2, herstatin, MLN 19, MLN19, NGL, TKR1, ERBB2, NEU, ENV, ENVW, ERVWE1, HERV7Q, HERVW
Gene ID:	2064
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human ERBB2/HER2/CD340 (489-630) Protein (RPCB0582), 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 Human ERBB2/HER2/CD340 (489-630) Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human Her2 Domain 4 is greater than 95% as determined by SEC-HPLC.