

Active Recombinant Rhesus ERBB3 Protein

Cat. No. ERBB3-1180R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant rhesus ERBB3 (XP_001113953.2) (Met1-Thr643) was expressed with six amino acids (LEVLFQ) at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	1-643 a.a.
Predicted N Terminal	Ser 20
Form	Lyophilized from sterile PBS, 10 % Glycerol, 0.01 % Tween 20, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized Rhesus ERBB3 at 10 µg/mL (100 µL/well) can bind Human Fc-NRG1 (isoform Beta1). The EC50 of Human Fc-NRG1 (isoform Beta1) is 0.51-1.19 µg/mL.
Molecular Mass	The recombinant rhesus ERBB3 consists 631 amino acids and predicts a molecular mass of 69.5 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ERBB3 erb-b2 receptor tyrosine kinase 3 [<i>Macaca mulatta</i>]
Official Symbol	ERBB3
Synonyms	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3
Gene ID	711407
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	
Chromosome Location	chromosome: 11
Pathway	Calcium signaling pathway, organism-specific biosystem; Endocytosis, conserved biosystem; MicroRNAs in cancer, conserved biosystem

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