

Active Recombinant Rhesus EPHA4 Protein, His-tagged

Cat. No. EPHA4-1176R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rhesus EPHA4 (NP_001247799.1) (Met1-Thr547) was expressed with a polyhistidine tag at the C-terminus.
Species	Rhesus macaque
Source	HEK293
ProteinLength	1-547 a.a.
Predicted N Terminal	Val 20
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rhesus EPHA4-His at 10 µg/ml (100 µl/well) can bind mouse EFNA5-Fc, The EC50 of mouse EFNA5-Fc is 28.2-65.8 ng/ml.
Molecular Mass	The recombinant rhesus EPHA4 comprises 539 amino acids and has a calculated molecular mass of 59.8 KDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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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	EPHA4 EPH receptor A4 [<i>Macaca mulatta</i>]
Official Symbol	EPHA4
Synonyms	ephrin type-A receptor 4
Gene ID	704857
mRNA Refseq	NM_001260870
Protein Refseq	NP_001247799
MIM	
UniProt ID	
Chromosome Location	chromosome: 12
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem

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