

Active Recombinant Rat Epha7 Protein, Fc-tagged

Cat. No. Epha7-1079R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat Epha7 (NP_599158.1) (Met1-Ser539) was expressed with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-539 a.a.
Predicted N Terminal	Gln 28
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 mouse EFNA4-His at 10 µg/ml (100 µl/well) can bind rat EPHA7-Fc3, The EC50 of rat EPHA7-Fc3 is 10-30 ng/mL.
Molecular Mass	The recombinant rat Epha7 consists 523 amino acids and predicts a molecular mass of 58.9 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90 % 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	Epha7 Eph receptor A7 [Rattus norvegicus]
Official Symbol	Epha7
Synonyms	EPHA7; Eph receptor A7; ephrin type-A receptor 7; EHK-3; EPH homology kinase 3; ephrin receptor EphA7; tyrosine-protein kinase receptor EHK-3;
Gene ID	171287
mRNA Refseq	NM_134331
Protein Refseq	NP_599158
MIM	
UniProt ID	
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem;
Function	ATP binding; GPI-linked ephrin receptor activity; GPI-linked ephrin receptor activity; axon guidance receptor activity; axon guidance receptor activity; chemorepellent activity; chemorepellent activity; ephrin receptor activity; ephrin receptor binding; n