Acitve Recombinant Rat EphA7 protein(Met1-Ser539), His-tagged

Cat. No. EphA7-1255R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat EPHA7 (Met1-Ser539) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Ser539
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Rat EPHA7-His at 10 μg/ml (100 μl/well) can bind Mouse EFNA4-Fc, The EC50 of Mouse EFNA4-Fc is 10.0-23.4 ng/ml.
Molecular Mass	The recombinant Rat EPHA7 comprises 523 amino acids and predicts a molecular mass of 58.9 kDa. The apparent molecular mass of the recombinant protein is approximately 59 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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	Store it under sterile conditions at -20°C to -80°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 0.2 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

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