Active Recombinant Rat Epha3 protein(Met1-His541), His-tagged

Cat. No. Epha3-552R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat EPHA3 (EDL75897.1) (Met1-His541) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-His541
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	Measured by its binding ability in a functional ELISA. Immobilized rat EPHA3-His at 10 μg/ml (100 μl /well) can bind rat EFNA5-Fc, The EC50 of rat EFNA5-Fc is 9-20ng/ml.
Molecular Mass	The recombinant rat EPHA3 comprises 532 amino acids and predicts a molecular mass of 61.2 kDa. The apparent molecular mass of the recombinant protein is approximately 70.5 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	> 90 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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	Epha3 Eph receptor A3 [Rattus norvegicus]
Official Symbol	Epha3
Synonyms	EPHA3; Eph receptor A3; ephrin type-A receptor 3; EK4; rEK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor REK4;
Gene ID	29210
mRNA Refseq	NM_031564
Protein Refseq	NP_113752

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