

Active Recombinant Rat Epha4 protein, hFc-tagged

Cat. No. Epha4-7439R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Epha4 protein(D3ZZK3)(Met1-Tyr547), fused with hFc tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Tyr547
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. 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 mouse EFNA5-His at 10 µg/ml (100 µl/well) can bind Rat EPHA4-Fc, The EC50 of Rat EPHA4-Fc is 19.8-46.3 ng/ml.
Molecular Mass	The recombinant rat EPHA4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 769 amino acids and has a predicted molecular mass of 85.3 kDa. The apparent molecular mass of the protein is approximately 98 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 98 % 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 [Epha4 Eph receptor A4 \[Rattus norvegicus \]](#)

Official Symbol [Epha4](#)

Synonyms EPHA4; Eph receptor A4; RGD1560587;

Gene ID [316539](#)

mRNA Refseq [NM_001162411](#)

Protein Refseq [NP_001155883](#)

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