

Active Recombinant Mouse EphA2 protein(Met1-Asn535), His-tagged

Cat. No. EphA2-914M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse EPHA2 (NP_034269.2) extracellular domain (Met 1-Asn 535) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Asn535
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH 7.8. 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. 1. Immobilized mouse EphA2 at 2µg/ml (100 µl/well) can bind mouse EphrinA1 with a linear range of 0.16-20 ng/ml. 2. Immobilized mouse EphA2 at 2 µg/ml (100 µl/well) can bind human EphrinA1 with a linear range of 0.8-20 ng/ml.
Molecular Mass	The secreted recombinant mouse EPHA2 consists of 523 amino acids and has a predicted molecular mass of 58 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmEPHA2 is approximately 65 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.

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Purity	> 98 % as determined by SDS-PAGE
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	Epha2 Eph receptor A2 [Mus musculus]
Official Symbol	Epha2
Synonyms	EPHA2; Eph receptor A2; ephrin type-A receptor 2; epithelial cell kinase; tyrosine-protein kinase receptor ECK; tyrosine-protein kinase receptor MPK-5; tyrosine-protein kinase receptor SEK-2; Eck; Myk2; Sek2; Sek-2; AW545284;
Gene ID	13836
mRNA Refseq	NM_010139
Protein Refseq	NP_034269

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