

# Active Recombinant Mouse Epha2 protein(Met1-Asn535), His-tagged

**Cat. No.** Epha2-914M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Asn535
<b>Form</b>	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.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 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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