PRODUCT INFORMATION

Target	EPHA2
Synonyms	Eck;Myk2;Sek2;Sek-2
Description	Recombinant mouse EPHA2 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q03145
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	Mouse EPHA2(Lys26-Asn535) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 57.4 kDa after removal of the signal peptide. The apparent molecular mass of mEPHA2-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Predicted to enable growth factor binding activity and transmembrane-ephrin receptor activity. Involved in several processes, including animal organ development; osteoblast differentiation; and regulation of blood vessel endothelial cell migration. Acts upstream of or within several processes, including blood vessel morphogenesis; nervous system development; and notochord development. Located in cell surface. Is expressed in several structures, including alimentary system; branchial arch; central nervous system; endometrium; and limb. Used to study cataract 6 multiple types. Human ortholog(s) of this gene implicated in cataract 6 multiple types. Orthologous to human EPHA2 (EPH receptor A2). [provided by Alliance of Genome Resources, Apr 2022]
Usage	Research use only
Conjugate	Unconjugated

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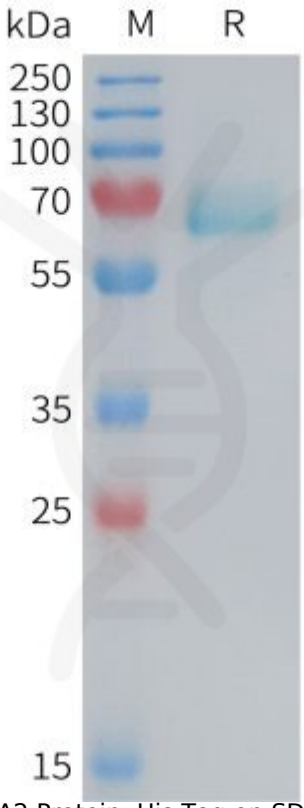


Figure 1. Mouse EPHA2 Protein, His Tag on SDS-PAGE under reducing condition.

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