Active Recombinant Human EPHA2 Protein (Gln25-Asn534), C-6×His tagged

Cat. No. EPHA2-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human EPHA2 protein (Gln25-Asn534) with a C-terminal 6×His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	NS0
ProteinLength	Gln25-Asn534
Description	This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Mutations in this gene are the cause of certain genetically-related cataract disorders.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rhEphA2 at 2 μg/mL (100 μL/well) can bind rmEphrin-A1/Fc Chimera with a linear range of 0.078-5 ng/mL.
Molecular Mass	Predicted Molecular Mass: 56.9 kDa

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	SDS-PAGE: 70-75 kDa, reducing conditions
N-terminal Sequence Analysis	No results obtained: Gln25 predicted & Lys27
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	EPHA2 EPH receptor A2 [Homo sapiens (human)]
Official Symbol	EPHA2
Synonyms	EPHA2; EPH receptor A2; ECK, EphA2; ephrin type-A receptor 2; soluble EPHA2 variant 1; tyrosine-protein kinase receptor ECK; epithelial cell receptor protein tyrosine kinase; ECK; CTPA; ARCC2; CTPP1;
Gene ID	1969

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mRNA Refseq	NM_004431
Protein Refseq	NP_004422
MIM	176946
UniProt ID	P29317

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