

Active Recombinant Human EphA2 protein, His-tagged

Cat. No. EPHA2-2027H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EphA2 protein(Met1-Asn534)(P29317), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Asn534
Form	Lyophilized from sterile 20mM Tris, 150mM NaCl, pH 7.5. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human EphA2 His at 2 µg/ml (100 µl/well) can bind Human Ephrin-A1 His & hFc, the EC50 of Human Ephrin-A1 His & hFc is 4.0-20.0 ng/mL.
Molecular Mass	The recombinant human EPHA2 consists of 522 amino acids and predicts a molecular mass of 57.6 KDa. It migrates as an approximately 65-75 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % 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 EPHA2 EPH receptor A2 [Homo sapiens]

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

mRNA Refseq NM_004431

Protein Refseq NP_004422

MIM 176946

UniProt ID P29317

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