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Datasheet for ABIN7195556
EPH Receptor B4 Protein (EPHB4) (His tag)

Overview

Quantity:	100 µg
Target:	EPH Receptor B4 (EPHB4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor B4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EphB4/HTK Protein (His Tag)(Active)
Sequence:	Met 1-Ala 539
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Ala 539) of human EphB4 (NP_004435.3) precursor was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human EphB4 at 2 µg/ml (100 µl/well) can bind human EphrinB2 with a linear range of 1-25 ng/ml.

Target Details

Target:	EPH Receptor B4 (EPHB4)
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Target Details

Alternative Name: EphB4/HTK ([EPHB4 Products](#))

Background: Ephrin type-B receptor 4 is a protein that in humans is encoded by the EPHB4 gene. It is a single-pass type I membrane protein belonging to the ephrin receptor subfamily of protein kinase superfamily. Members of the ephrin and Eph family are local mediators of cell function through largely contact-dependent processes in development and in maturity. Furthermore, EphB4 protein and the corresponding ligand Ephrin-B2 contribute to tumor growth in various human tumors. EphB4 protein has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Therefore, Ephrin-B2/EphB4 may be recognized as a novel prognostic indicator for cancers.

Synonym: HTK,MYK1,TYRO11

Molecular Weight: 58.5 kDa

NCBI Accession: [NP_004435](#)

Pathways: [RTK Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.