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Datasheet for ABIN7520446

ROBO4 Protein (Fc Tag,His tag)

Overview

Quantity:	10 µg
Target:	ROBO4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROBO4 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Recombinant Human ROBO4 Protein
Sequence:	QDSPPQILVH PQDQLFQGPG PARMSCQASG QPPPTIRWLL NGQPLSMVPP DPHHLLPDGT LLLLQPPARG HAHDGQALST DLGVYTCEAS NRLGTAVSRG ARLSVAVLRE DFQIQPRDMV AVVGEQFTLE CGPPWGHPEP TVSWWKDGKP LALQPGRHTV SGGSLLMARA EKSDEGTYMC VATNSAGHRE SRAARVSIQE PQDYTEPVEL LAVRIQLENV TLLNPDAEG PKPRPAVWLS WKVSGPAAPA QSYTALFRTQ TAPGGQGAPW AEELLAGWQS AELGGLHWGQ DYEFKVRPSS GRARGPDSNV LLLRLPEKVP SAPPQEVTLK PGNGTVFVSW VPPPAENHNG IIRGYQVWSL GNTSLPPANW TVVGEQTQLE IATHMPGSYC VQVAAVTGAG AGEPSRPVCL LLEQAMERAT QEPSEHGPWT LEQLRATLKR
Specificity:	Gln28-Arg467
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	ROBO4
Alternative Name:	ROBO4 (ROBO4 Products)
Background:	<p>Description: Roundabout homolog 4, also known as magic roundabout and ROBO4 is a member of the immunoglobulin superfamily and ROBO family. ROBO4 is specifically expressed in endothelial cells. It is expressed at sites of angiogenesis in different tumor types. ROBO4 contains two fibronectin type-III domains and two Ig-like C2-type (immunoglobulin-like) domains. ROBO4 is the fourth identified member of the roundabout receptor family. It is the only Robo family member expressed in primary endothelial cells and that application of Slit inhibits their migration. ROBO4 is predominantly expressed in embryonic or tumor vascular endothelium and is considered important for vascular development and as a candidate tumor endothelial marker. ROBO4 is a bona fide member of the Robo family and may provide a repulsive cue to migrating endothelial cells during vascular development. ROBO4 is a receptor for Slit proteins, at least for SLIT2, and seems to be involved in angiogenesis and vascular patterning. ROBO4 may mediate the inhibition of primary endothelial cell migration by Slit proteins. Activating ROBO4 may have broad therapeutic application in diseases characterized by excessive angiogenesis and/or vascular leak.</p> <p>Name: ROBO4,ECSM4,MRB</p>
Gene ID:	54538
UniProt:	Q8WZ75

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein

solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.