Datasheet for ABIN7321133

SEMA4D/CD100 Protein (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	SEMA4D/CD100 (SEMA4D)
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA4D/CD100 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat Semaphorin 4D/SEMA4D/ Protein (His Tag)
Sequence:	Met1-Met712
Characteristics:	A DNA sequence encoding the rat SEMA4D (Met1-Met712) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

Target Details

Target:	SEMA4D/CD100 (SEMA4D)
Alternative Name:	Semaphorin 4D/SEMA4D (SEMA4D Products)
Background:	Background: Semaphorin-4D is also known as A8,BB18, GR3, CD100. Semaphorin-4D belongs to the semaphorin family containing 1 Ig-like C2-type domain, 1 PSI domain and 1 Sema domain. It is the cell surface receptor for PLXN1B and PLXNB2 that plays an important role in

Target Details

cell-cell signaling. It promotes the migration of cerebellar granule cells and of endothelial cells, regulates dendrite and axon branching and morphogenesis. Semaphorin-4D Plays a role in the immune system, Promotes signaling via SRC and PTK2B/PYK2, which then mediates activation of phosphatidylinositol 3-kinase and of the AKT1 signaling cascade.

Synonym: SEMA4D

Molecular Weight:	77.8 kDa
NCBI Accession:	NP_001164034
Pathways:	Regulation of Cell Size

Application Details

Restrictions:	For Research Use only

Handling

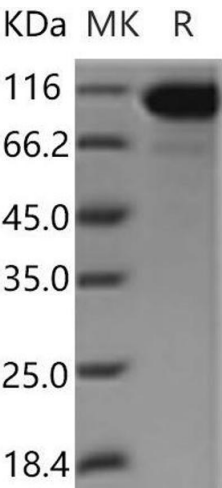|	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Images

Western Blotting

Image 1.