

Datasheet for ABIN7596438

SEMA4D/CD100 Protein (AA 22-734) (hIgG-His-tag)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	SEMA4D/CD100 (SEMA4D)
Protein Characteristics:	AA 22-734
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA4D/CD100 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAFAIPRIT WEHREVHLVQ FHEPDIYNYS ALLLSEDKDT LYIGAREAVF AVNALNISEK QHEVYWKVSE DKKAKCAEKG KSKQTECLNY IRVLQPLSAT SLYVCGTNAF QPACDHLNLT SFKFLGKNED GKGRCPFDPA HSYTSVMVDG ELYSGTSYNF LGSEPIISRN SSHSPLRTEY AIPWLNESF VFADVIRKSP DSPDGEDDRV YFFFTEVSVE YEFVFRVLIP RIARVCKGDQ GGLRTLQKKW TSFLKARLIC SRPDGLVFN VLRDVFVLR S PGLKVPV FYA LFTPQLNNVG LSAVCAYNLS TAEVF SHGK YMQSTTVEQS HTKWVRYNGP VPKPRPGACI DSEARAANYT SSLNLPDKTL QFVKDHPLMD DSVTPIDNRP RLIKKDVNYT QIVVDRTQAL DGTVYDVMFV STDRGALHKA ISLEHAVHII EETQLFQDFE PVQTLLSSK KGNRFVYAGS NSGVVQAPLA FCGKHGTCED CVLARDPYCA WSPPTATCVA LHQTESPSRG LIQEMSGDAS VCPDKSKGSY RQHFFKHGGT AELKCSQKSN LARVFWKFQN GVLKAESPKY GLMGRKNLLI FNLSEGDSGV YQCLSEERVK NKTVFQVVAK HVLEVKVVPK PVVAPTLSVV QTEGSRIATK VLVASTQGSS PPTPAVQATS SGAILPPKP APTGTSCEPK IVINTVQLH SEKTMYLKSS DNR
-----------	--

Product Details

Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	SEMA4D/CD100 (SEMA4D)
Alternative Name:	semaphorin-4D (SEMA4D Products)
Background:	Semaphorin4D, also known as CD100, is a member of the Class 4 family of transmembrane immune and nervous system semaphorins. It is an important mediator of the movement and differentiation of multiple cell types, including those of the immune, vascular, and nervous systems. It serves important roles in T cell priming, antibody production, and cell-to-cell adhesion. Sema4D, produced by T cells, activated B cells and dendritic cells acts through a low affinity receptor termed CD72 in the immune system. Unligated CD72 inhibits antigen presenting cells that express it, and this inhibition is relieved by Sema4D binding. It is reflected in its ability to inhibit ovarian carcinoma cell survival. Recombinant human semaphorin-4D, fused to hIgG-His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Molecular Weight:	106.1kDa (952aa)
NCBI Accession:	NP_006369
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.