

Datasheet for ABIN7596437

SEMA3C Protein (R551A, R552A, R611A, R612A) (Fc Tag)



[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	SEMA3C
Protein Characteristics:	R551A, R552A, R611A, R612A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA3C protein is labelled with Fc Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	<p>GSSQPQARVY LTFDELRETK TSEYFSLSHH PLDYRILLMD EDQDRIYVGS KDHILSLNIN</p> <p>NISQEALSVF WPASTIKVEE CKMAGKDPHT GCGNFVRVIQ TFNRTHLYVC GSGAFSPVCT</p> <p>YLNRRGRSED QVFMIDSKCE SGKGRCSFNP NVNTVSVMIN EELFSGMYID FMGTDAAIFR</p> <p>SLTKRNAVRT DQHNSKWLSE PMFVDAHVIP DGTDPNDAKV YFFFKEKLTD NNRSTKQIHS</p> <p>MIARICPNDT GGLRSLVNKW TTFLKARLVC SVTDEDGPET HFDELEDVFL LETDNPRTTL</p> <p>VYGIFTTSSS VFKGSAVCVY HLSDIQTVFN GPFAHKEGPN HQLISYQGRI PYPRPGTCPG</p> <p>GAFTPNMRTT KEFPDDVVT F IRNHPLMYSN IYPIHKRPLI VRIGTDYKYT KIAVDRVNAA</p> <p>DGRYHVLFLG TDRGTVQKV VLPTNNSVSG ELILEELEV KNHAPITTMK ISSKKQQLYV</p> <p>SSNEGVSVQS LHRCHYGT CADCCCLARDP YCAWDGHSCS RFYPTGKRRS AAQDVRHGPN</p> <p>LTQCRGFNLK AYRNAAEIVQ YGVKNNTTFL ECAPKSPQAS IKWLLQKDKD AAKEVKLNER</p> <p>IIATSQGLLI RSVQGSQGL YHCIATENSF KQTIKINFK VLDSEMVAVV TDKWSPWTWA</p> <p>SSVRALPFHP KDIMGAFSHS EMQMINQYCK DTRQHQHQQD ESQKMRGDY KKLALINS</p>
-----------	--

Product Details

Purity:	> 90% by SDS - PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	SEMA3C
Alternative Name:	Semaphorin 3C (SEMA3C Products)
Background:	<p>Semaphorin 3C , also known as SemaE, is a member of the semaphorin family 3 that are grouped into eight major classes based on structure and phylogenetic tree analyses. It is expressed in all somitic motor neurons, in lung buds, and in cardiac neural crest cells during development. The functions of Semaphorin 3C are mediated primarily through binding to the Plexin-D1 and Neuropilin 1 or Neuropilin 2 coreceptor complex. Semaphorins are usually cues to deflect axons from inappropriate regions, especially important in the neural system development. Also, Semaphorin 3C activates integrins in certain cells, so in addition to its repulsive activities, it sometimes acts as a chemoattractant. Class 3 have an important function after traumatic central nervous system injuries, such as spinal cord injury. It regulate neuronal and non-neuronal cells associated with the traumatic injury due to their presence in the scar tissue. Recombinant human Semaphorin 3C, fused to hIgG-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	107.2kDa (951aa)
NCBI Accession:	NP_006370

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.