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Datasheet for ABIN7320211 SEMA3A Protein (Fc Tag)

Image



Overview

Quantity:	50 µg
Target:	SEMA3A
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SEMA3A protein is labelled with Fc Tag.

Product Details

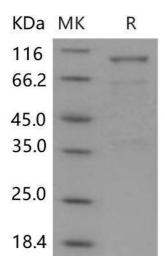
Purpose:	Recombinant Mouse Semaphorin 3A/SEMA3A Protein (Fc Tag)
Sequence:	Lys 26-Phe 546
Characteristics:	A DNA sequence encoding the N-terminal fragment (Lys 26-Phe 546) of mouse SEMA3A (008665) was fused with the Fc region of human IgG1 at the N-terminus.
Purity:	> 80 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per μ g of the protein as determined by the LAL method.

Target Details

Target:	SEMA3A
Alternative Name:	Semaphorin 3A/SEMA3A (SEMA3A Products)
Background:	Background: Semaphorins are a family of secreted and cell-bound signaling molecules defined by the presence of a common 500 aa Sema domain. They are best characterized in relation to
	axon guidance during development of the nervous system. The functions of Semaphorins 3A

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	(SEMA3A) are mediated primarily through binding to the Neuropilin-1 (Npn-1) and Plexin-A1
	coreceptor complex. Neuropilins lack a signaling-competent cytoplasetmic domain and ensure
	semaphorin binding, whereas the transmembrane receptor plexin mediates the intracellular
	response. As the first identified vertebrate semaphorin, SEMA3A functions either as a
	chemorepulsive agent inhibiting axonal outgrowth, or as a chemoattractive agent stimulating
	the growth of apical dendrites. In both cases, the protein is vital for normal neuronal pattern
	development. Its overexpression is associated with schizophrenia which is seen in various
	human tumor cell lines, and aberrant release is associated with the progression of Alzheimer's
	disease
	Synonym: coll-1,Hsema-I,SEMA1,Semad,SemD
Molecular Weight:	87.7 kDa
UniProt:	008665
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.



Western E	Blotting
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Image 1.

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