

Product datasheet for TP509876

Sema7a (NM_011352) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sema domain, immunoglobulin domain (Ig), and GPI membrane anchor, (semaphorin) 7A (Sema7a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209876 representing NM_011352 Red =Cloning site Green =Tags(s)
	<p>MTPPPPGRAAPSAPRARVLSL PARFGLPLRLRLLL VFWVAAASAQGHRSRSGPRISAVWKGQDHVDFSQPE PHTVLFHEPGSFSVWVGGRGKVVYHFNFPPEGKNASVRTVNIGSTKGSCQDKQDCGNYITLLERRGNGLLVC GTNARKPSCWNLVNDVSVMSLGEMKGYAPFSPDENSLVLFEGDEVYSTIRKQEYNGKIPRFRIRGESEL YTSDTVMQNPQFIKATIVHQDQAYDDKIYFFREDNPDKNPEAPLNVSVAQLCRGDQGGESSLSVSKW N TFLKAMLVCSDAATNRNFNRLQDVLLPDPSPGQWRDTRVYGVFSNPWNYSAVCVYSLGDIRVFTSSLK GYHMGLPNRPRGMCLPKKQPIPTETFQVADSHPEVAQRVEPMGPLKTPLFHSHKYHYQKVVVHRMQASN GE TFHVLYLTDRGTIHKVVESGDQDHSFVFNIMEIQPFHRAAAIQAISLDADRRKLYVTSQWEVSQVPLDM CEVYSGGCHGCLMSRDPYCGWDQDRCVSIYSSQRSVLQSINPAEPHRECPNPKPDEAPLQKVS LARNSRY YLTCMESRHATYLRHEENVEQSCEPGHQSPSCILFIENLTARQYGHYRCEAQEGSYLREAQHWELLPE DRALAEQLMGHARALAASFVLGVLPTLILGLLVH</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	75.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_035482
Locus ID:	20361
UniProt ID:	Q9QUR8
RefSeq Size:	3290
Cytogenetics:	9 B
RefSeq ORF:	1992
Synonyms:	2900057C09Rik; CDw108; H-Sema-L; M-Sema-L; Semal
Summary:	Plays an important role in integrin-mediated signaling and functions both in regulating cell migration and immune responses. Promotes formation of focal adhesion complexes, activation of the protein kinase PTK2/FAK1 and subsequent phosphorylation of MAPK1 and MAPK3. Promotes production of proinflammatory cytokines by monocytes and macrophages. Plays an important role in modulating inflammation and T-cell-mediated immune responses. Promotes axon growth in the embryonic olfactory bulb. Promotes attachment, spreading and dendrite outgrowth in melanocytes.[UniProtKB/Swiss-Prot Function]