

Recombinant Human SEMA5A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEMA5A-4337H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEMA5A MS Standard C13 and N15-labeled recombinant protein (NP_003957) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the semaphorin gene family that encodes membrane proteins containing a semaphorin domain and several thrombospondin type-1 repeats. Members of this family are involved in axonal guidance during neural development. This gene has been implicated as an autism susceptibility gene.
Molecular Mass	120.6 kDa
AA Sequence	MKGTCVIAWLFSSLGLWRLAHPEAQGTTQCQRTEHPVISYKEIGPWLREFRAKNAV DFSQLTFDPGQKELVVGARNYLFRLLQLEDLSLIQAVEWECDEATKKACYSKGKSKE ECQNYIRVLLVGGDRLFTCGTNAFTPVCTNRSLSNLTEIHDQISGMARCPYSPQHNS TALLTAGGELYAATAMDFPGRDPAIYRSLGILPPLRTAQYNSKWLNEPNFVSSYDIG NFTYFFFRENAVEHDCGKTVFSRAARVCKNDIGGRFLLEDTWTTFMKARLNCSRPG EVPFYYNELQSTFFLPELDLIYGIFTTNVNSIAASAVCVFNLSAIAQAFSGPFKYQENS RSAWLPYPNPNPHFQCGTVDQGLYVNLTERNLQDAQKFILMHEVVQPVTTPVPSFME DNSRFSHVAVDVVQGREALVHIIYLATDYGTIKKVRVPLNQTSSSCLEEEIELFPERR REPIRSLQILHSQSVLFVGLREHVVKIPLKRCQFYRTRSTCIGAQDPYCGWDVVMKK

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CTSLEESLSMTQWEQSIACPTRNLTVDGHFGVWSPWTPCTHTDGSAVGSCLCRT
 RSCDSPAPQCGGWQCEGPGMEIANCSRNGGWTPWTSWSPCSTTCGIGFQVRQR
 SCSNPTPRHGGRVCVGQNRERYCNEHLLCPPHMFWTGWGPWERCTAQCGGGI
 QARRRICENGPDACAGCNVEYQSCNTNPCPELKKTTPWTPWTPVNISDNGGHYEQR
 FRYTCKARLADPNLLEVGRQRIEMRYCSSDGTSGCSTDGLSGDFLRAGRYSAHTVN
 GAWSAWTSWSQCSRDCSRGIRNRKVCNNPEPKYGGMPCLGPSLEYQECNILPC
 PVDGVWSCWSPWTKSATCGGGHYMRTRSCSNPAPAYGGDICLGLHTEEEALCNT
 QPCPEWSEWSDWSECEASGVQVRARQCILLFPMGSQCSGNTTESRPCVFDSNFI
 PEVSVARSSSVEEKRCGEFNMFMIAVGLSSSILGCLLTLLVYTYCQRYQQQSHDAT
 VIHPVSPAPLNTSITNHINKLDKYDSVEAIKAFNKNLILEERNKYFNPHLTGKTYSNA
 YFTDLNNYDEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SEMA5A semaphorin 5A [Homo sapiens (human)]
Official Symbol	SEMA5A
Synonyms	SEMA5A; sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A;

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SEMAF; semaphorin-5A; semF; sema F; semaphorin F; semaphorin-F; FLJ12815;

Gene ID 9037

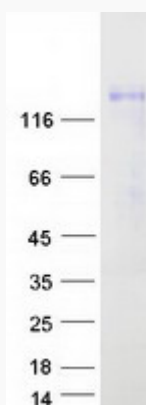
mRNA Refseq NM_003966

Protein Refseq NP_003957

MIM 609297

UniProt ID Q13591

SDS-PAGE



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