

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 DFSQLTDFPGQKELVVGARNYLFRLQLEDLSLIQAVEWECDEATKKACYSKGKSKE ECQNYIRVLLVGGDRLFTCGTNAFTPVCTNRSLSNLTEIHDQISGMARCPYSPQHNS TALLTAGGELYAATAMDFPGRDPAIYRSLGILPPLRTAQYNSKWLNEPNFVSSYDIG NFTYFFFRENAVEHDCGKTVFSRAARVCKNDIGGRFLEDTWTTFMKARLNCSRPG EVPFYYNELQSTFFLPELDLIYGIFTTNVNSIAASAVCVFNLSAIAQAFSGPFKYQENS RSAWLPYPNPNPHFQCGTVDQGLYVNLTERNLQDAQKFILMHEVVQPVTTVPSFME DNSRFSHVAVDVVQGREALVHIIYLATDYGTIKKVRVPLNQTSSSCLEEEIELFPERR REPIRSLQILHSQSVLFVGLREHVVKIPLKRCQFYRTRSTCIGAQDPYCGWDVVMKK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CTSLEESLSMTQWEQSIACPTRNLTVDGHFGVWSPWTPCTHTDGSAVGSCLCRT
 RSCDSPAPQCGGWQCEGPGMEIANCSRNGGWTPWTSWSPCSTTCGIGFQVRQR
 SCSNPTPRHGGRVCVGQNREERYCNEHLLCPPHMFWTGWGPWERCTAQCGGGI
 QARRRICENGPDCAGCNVEYQSCNTNPCPELKKTTPWTPWTPVNISDNGGHYEQR
 FRYTCKARLADPNLLEVGRQRIEMRYCSSDGTSGCSTDGLSGDFLRAGRYSAHTVN
 GAWSAWTSWSQCSRDCSRGIRNRKRVCCNNPEPKYGGMPCLGPSLEYQECNILPC
 PVDGVWSCWSPWTKSATCGGGHYMRTRSCSNPAPAYGGDICLGLHTEEEALCNT
 QPCPEWSEWSDWSECEASGVQVRARQCILLFPMGSQCSGNTTESRPCVFDSNFI
 PEVSVARSSSVEEKRCGEFNMFMHIAVGLSSSILGCLLTLLVYTYCQRYQQQSHDAT
 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

Gene ID 9037

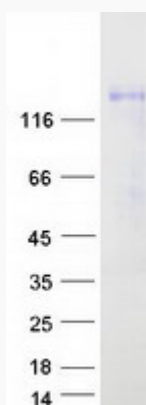
mRNA Refseq NM_003966

Protein Refseq NP_003957

MIM 609297

UniProt ID Q13591

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA