Semaphorin-3g (SEMA3G) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Semaphorin-3G (Sema3g), Recombinant Protein
Full Product Name	Recombinant Mouse Semaphorin-3G (Sema3g)
Product Gene Name	Sema3g recombinant protein
Product Synonym Gene Name	Sema3g
Sequence	SPGPSPSVPR LRLSYRDLLS TNRSAIFLGP RGSLDLQVMY LDEYRDRLFL GSRDALYSLR LDQAWPDPRE VLWLPQPGQK VECVRKGKDP LTECANFVRV LQPHNRTHLL ACGTGAFQPI CTFITVGHRG EHVLRLDASS VENGRGRCPH EPSRPFASTF VGGELYTGLT ADFLGREAMI FRSGGPRPAL RSDSDQSLLH EPRFVMAARI PDNSDRDDDK VYFFFSETVP SPDGGPGHVT ISRVGRVCVN DAGGQRVLVN KWSTFLKARL VCSVPGPGGA ETHFDQLEDV FLLWPKAGKS LEVYALFSTV SAVFQGFAVC VYHMVDIWEV FNGPFAHRDG PQHQWGPYGG KVPFPRPGVC PSKMTAQPGR PFGSTKDYPD EVLQFVRDHP LMFQPVRPRR GRPVLVKTHL AQRLRQIVVD RVEAEDGTYD VIFLGTDSGS VLKVIALQGG GLTEPEEVVL EELQVFKVPT PITEMEISVK RQTLYVGSPL GVARLQLHQC ETYGSACAEC CLARDPYCAW DGTACARYRP SSGKRRFRRQ DIRHGNPAVQ CLGQGQSQNK AASGLMTRVF GTEHNSTFLE CLPKSPQAAV RWFLQRPGDK GTDQVKTDER VVQTAQGLLF RRLSRHDAGN YTCTTLEHGF SQTVVRFALE VIAAVQLDSL FLRESRLEEP SAWGSLASAS PKTWYKDILQ LTGFANLPRV DEYCERVWCR GVGERSGSFR GKGKQAKGKS WAGLELGKKM KSRVLAEHNR TPREVEAT
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	86,695 Da
Sequence Positions	23-780, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q4LFA9
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Sema3g recombinant protein	MBS1479097 is a recombinant protein targeting Sema3g. Also known as Recombinant Mouse Semaphorin-3G (Sema3g). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Sema3g recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Sema3g. It may not necessarily be applicable to this product.

NCBI GI #	84794605

NCBI GeneID	218877
NCBI Accession #	NP_001020550.1
UniProt Primary Accession #	Q4LFA9
UniProt Secondary Accession #	Q3UVA7
UniProt Related Accession #	Q4LFA9
GenBank Nucleotide #	NM_001025379.1
NCBI Official Full Name	semaphorin-3G
NCBI Official Synonym Full Names	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G
NCBI Official Symbol	Sema3g
NCBI Official Synonym Symbols	AK129018
UniProt Protein Name	Semaphorin-3G
Protein Family	Semaphorin
UniProt Gene Name	Sema3g
NCBI Protein Information	semaphorin-3G
UniProt Comments for Sema3g	Has chemorepulsive activities for sympathetic axons. Ligand of NRP2.
Research Articles on Sema3g	**1.** Sema3G induces cell collapse in an Nrp2/PlexinD1-dependent manner.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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