Protein Smaug Homolog 1 (SAMD4A) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein Smaug homolog 1 (SAMD4A), Recombinant Protein
Full Product Name	Recombinant Human Protein Smaug homolog 1 (SAMD4A)
Product Gene Name	SAMD4A recombinant protein
Product Synonym Gene Name	SAMD4A
Sequence	MMFRDQVGVL AGWFKGWNEC EQTVALLSLL KRVSQTQARF LQLCLEHSLA DCAELHVLER EANSPGIINQ WQQESKDKVI SLLLTHLPLL KPGNLDAKVE YMKLLPKILA HSIEHNQHIE ESRQLLSYAL IHPATSLEDR SALAMWLNHL EDRTSTSFGG QNRGRSDSVD YGQTHYYHQR QNSDDKLNGW QNSRDSGICI NASNWQDKSM GCENGHVPLY SSSSVPTTIN TIGTSTSTIL SGQAHHSPLK RSVSLTPPMN VPNQPLGHGW MSHEDLRARG PQCLPSDHAP LSPQSSVASS GSGGSEHLED QTTARNTFQE EGSGMKDVPA WLKSLRLHKY AALFSQMTYE EMMALTECQL EAQNVTKGAR HKIVISIQKL KERQNLLKSL ERDIIEGGSL RIPLQELHQM ILTPIKAYSS PSTTPEARRR EPQAPRQPSL MGPESQSPDC KDGAAATGAT ATPSAGASGG LQPHQLSSCD GELAVAPLPE GDLPGQFTRV MGKVCTQLLV SRPDEENISS YLQLIDKCLI HEAFTETQKK RLLSWKQQVQ KLFRSFPRKT LLDISGYRQQ RNRGFGQSNS LPTAGSVGGG MGRRNPRQYQ IPSRNVPSAR LGLLGTSGFV SSNQRNTTAT PTIMKQGRQN LWFANPGGSN SMPSRTHSSV QRTRSLPVHT SPQNMLMFQQ PEFQLPVTEP DINNRLESLC LSMTEHALGD GVDRTSTI
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	70,095 Da
Sequence Positions	1-718, 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.
OMIM	610747
3D Structure	ModBase 3D Structure for Q9UPU9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SAMD4A recombinant protein	MBS1470897 is a recombinant protein targeting SAMD4A. Also known as Recombinant Human Protein Smaug homolog 1 (SAMD4A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SAMD4A 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 SAMD4A. It may not necessarily be applicable to this product.

NCBI GI #	341865550
NCBI GeneID	23034
NCBI Accession #	NP_001155048.2
UniProt Primary Accession #	Q9UPU9
UniProt Secondary Accession #	Q0VA96; Q6PEW4; A8MPZ5
UniProt Related Accession #	Q9UPU9
GenBank Nucleotide #	NM_001161576.2
NCBI Official Full Name	protein Smaug homolog 1 isoform 2
NCBI Official Synonym Full Names	sterile alpha motif domain containing 4A
NCBI Official Symbol	SAMD4A
NCBI Official Synonym Symbols	SMG; SMGA; SAMD4; SMAUG; SMAUG1
UniProt Protein Name	Protein Smaug homolog 1
UniProt Synonym Protein Names	Sterile alpha motif domain-containing protein 4A; SAM domain-containing protein 4A
Protein Family	Protein
UniProt Gene Name	SAMD4A
UniProt Synonym Gene Names	KIAA1053; SAMD4; SMAUG1; Smaug 1; hSmaug1; SAM domain-containing protein 4A
NCBI Protein Information	protein Smaug homolog 1
NCBI Summary for SAMD4A	Sterile alpha motifs (SAMs) in proteins such as SAMD4A are part of an RNA-binding domain that functions as a posttranscriptional regulator by binding to an RNA sequence motif known as the Smaug recognition element, which was named after the Drosophila Smaug protein (Baez and Boccaccio, 2005 [PubMed 16221671]).[supplied by OMIM, Mar 2008]
UniProt Comments for SAMD4A	Acts as a translational repressor of SRE-containing messengers.
Research Articles on SAMD4A	**1.** The Smaug1 is expressed during synaptogenesis, and Smaug1 knockdown affected the number and size of synapses, and also provoked an impaired response to repetitive depolarizing stimuli, as indicated by a reduced induction of Arc/Arg3.1.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.