Trimeric Intracellular Cation Channel Type A (TMEM38A) (MG33A) Rabbit Recombinant Protein

PRODUCT OVERVIEW

Product Name	Trimeric intracellular cation channel type A (TMEM38A) (MG33A), Recombinant Protein
Full Product Name	Recombinant Rabbit Trimeric intracellular cation channel type A (TMEM38A)
Product Gene Name	MG33A recombinant protein
Product Synonym Gene Name	TMEM38A; MG33A
Product Synonym Names	Recombinant Trimeric intracellular cation channel type A (TMEM38A); Trimeric intracellular cation channel type A; TRIC-A; TRICA; Mitsugumin-33A Transmembrane protein 38A
Sequence	MELLSALSLG ELALSFSRVP LFPVFDLSYF IVSILYLKYE PGAVELSRRH PVASWLCAML HCFGSYILAD LLLGEPLIDY FSNNSSILLA SAVWYLIFFC PLDLFYKCVC FLPVKLIFVA MKEVVRVRKI AVGIHHAHHH YHHGWFIMIA TGWVKGSGVA LLSNVEQLLR GVWKPETNEI LHMSFPTKAS LYGAILFTLQ QTRWLPVSKA SLIFIFTMFM VSCKVFLTAT HSHSSPFDVL EAYVCPVLFG TGSGGDHPQD NHGAWPGGPP SGALATKSKE ELSEGSRKKK TKKAD
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	32,881 Da
Sequence Positions	1-295
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.
Chromosome Location	chromosome: Un
3D Structure	ModBase 3D Structure for A5A6S6
Species	Oryctolagus cuniculus (Rabbit)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for MG33A recombinant protein	MBS1237854 is a recombinant protein targeting MG33A. Also known as Recombinant Rabbit Trimeric intracellular cation channel type A (TMEM38A). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of MG33A 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 MG33A. It may not necessarily be applicable to this product.

NCBI GI #	153792068
NCBI GeneID	100101583

NCBI Accession #	NP_001093439.1
UniProt Primary Accession #	A5A6S6
UniProt Related Accession #	A5A6S6
GenBank Nucleotide #	NM_001099969.1
NCBI Official Full Name	trimeric intracellular cation channel type A
NCBI Official Symbol	MG33A
NCBI Official Synonym Symbols	TMEM38A
UniProt Protein Name	Trimeric intracellular cation channel type A
UniProt Synonym Protein Names	Mitsugumin-33A; Transmembrane protein 38A
UniProt Gene Name	TMEM38A
UniProt Synonym Gene Names	MG33A; TRIC-A; TRICA
UniProt Entry Name	TM38A_RABIT
NCBI Protein Information	trimeric intracellular cation channel type A; TRICA; TRIC-A; mitsugumin-33A; transmembrane protein 38A
UniProt Comments for MG33A	Function: Monovalent cation channel required for maintenance of rapid intracellular calcium release. May act as a potassium counter-ion channel that functions in synchronization with calcium release from intracellular stores. Ref.1 UniProtKB Q3TMP8 Subunit structure: Homotrimer. Ref.1 Subcellular location: Sarcoplasmic reticulum membrane; Multi-pass membrane protein. Nucleus membrane Ref.1. Domain: The second transmembrane domain has been proposed to cross only half of the lipid bilayer and to loop back into the cytosol, so that the domains on each side of this domain are both found on the cytosolic face of the membrane. The cytosolic loop may form an ion-conducting pore By similarity. UniProtKB Q3TMP8 Sequence similarities: Belongs to the TMEM38 family.
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