Mitochondrial Import Receptor Subunit TOM20 Homolog (TOMM20) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial import receptor subunit TOM20 homolog (Tomm20), Recombinant Protein
Full Product Name	Recombinant Rat Mitochondrial import receptor subunit TOM20 homolog (Tomm20), partial
Product Gene Name	Tomm20 recombinant protein
Product Synonym Gene Name	Tomm20
Sequence	MVGRNSAIAA GVCGALFIGY CIYFDRKRRS DPNFKNRLRE RRKKQKLAKE RAGLSKLPDL KDAEAVQKFF LEEIQLGEEL LAQGDYEKGV DHLTNAIAVC GQPQQLLQVL QQTLPPPVFQ MLLTKLPTIS QRIVSAQSLA EDDVE
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	16,284 Da
Sequence Positions	1-145
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 Q62760
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tomm20 recombinant protein	MBS1437885 is a recombinant protein targeting Tomm20. Also known as Recombinant Rat Mitochondrial import receptor subunit TOM20 homolog (Tomm20), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Tomm20 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 Tomm20. It may not necessarily be applicable to this product.

NCBI GI #	23097350
NCBI GeneID	266601
NCBI Accession #	NP_690918.1
UniProt Primary Accession #	Q62760
UniProt Secondary Accession #	O08517; Q63804; Q6AZ66

UniProt Related Accession #	Q62760
GenBank Nucleotide #	NM_152935.1
NCBI Official Full Name	mitochondrial import receptor subunit TOM20 homolog
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 20
NCBI Official Symbol	Tomm20
UniProt Protein Name	Mitochondrial import receptor subunit TOM20 homolog
UniProt Synonym Protein Names	Mitochondrial 20 kDa outer membrane protein; Outer mitochondrial membrane receptor Tom20
Protein Family	Mitochondrial import receptor
UniProt Gene Name	Tomm20
NCBI Protein Information	mitochondrial import receptor subunit TOM20 homolog
NCBI Summary for Tomm20	human homolog is a mitochondrial import receptor; may have chaperone activity [RGD, Feb 2006]
UniProt Comments for Tomm20	Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore ().
Research Articles on Tomm20	**1.** alpha-Synuclein binds to TOM20 and inhibits mitochondrial protein import in Parkinson's disease
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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