Mitochondrial Import Receptor Subunit TOM34 (TOMM34) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Mitochondrial import receptor subunit TOM34 (Tomm34), Recombinant Protein
Full Product Name	Recombinant Rat Mitochondrial import receptor subunit TOM34 (Tomm34)
Product Gene Name	Tomm34 recombinant protein
Product Synonym Gene Name	Tomm34
Sequence	MAPKVSDSVE QLRAAGNQNF RNGQYGEASA LYERALRLLQ ARGSADPEEE SVLYSNRAAC YLKDGNCTDC IKDCTSALAL VPFSIKPLLR RASAYEALEK YSLAYVDYKT VLQIDNSVAS ALEGINRITR ALMDSLGPEW RLKLPPIPVV PVSAQKRWSS LPSENHKETA KSKSKETTAT KNRVPSAGDV ERARVLKEEG NELVKKGNHK KAIEKYSESL LFSSLESATY SNRALCHLVL KQYKEAEKDC TEALKLDGKN VKAFYRRAQA YKALKDYKSS LADISSLLQI EPRNGPAHKL RQEVNQNMN
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	34,461 Da
Sequence Positions	1-309, 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 Q3KRD5
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Tomm34 recombinant protein	This protein is involved in the import of precursor proteins into mitochondria. The encoded protein has a chaperone-like activity, binding the mature portion of unfolded proteins and aiding their import into mitochondria. This protein, which is found in the cytoplasm and sometimes associated with the outer mitochondrial membrane, has a weak ATPase activity and contains 6 TPR repeats.
Other Notes	Small volumes of Tomm34 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.
Searchable Terms for Tomm34 purchase	MBS1326414 is a recombinant protein targeting Tomm34. Also known as Recombinant Rat Mitochondrial import receptor subunit TOM34 (Tomm34). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tomm34. It may not necessarily be applicable to this product.

NCBI GI #	112984308

NCBI GeneID	311621
NCBI Accession #	NP_001037709.1
UniProt Primary Accession #	Q3KRD5
UniProt Related Accession #	Q3KRD5
GenBank Nucleotide #	NM_001044244.2
NCBI Official Full Name	mitochondrial import receptor subunit TOM34
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 34
NCBI Official Symbol	Tomm34
UniProt Protein Name	Mitochondrial import receptor subunit TOM34
UniProt Synonym Protein Names	Translocase of outer membrane 34 kDa subunit
Protein Family	Mitochondrial import receptor
UniProt Gene Name	Tomm34
NCBI Protein Information	mitochondrial import receptor subunit TOM34
UniProt Comments for Tomm34	Plays a role in the import of cytosolically synthesized preproteins into mitochondria. Binds the mature portion of precursor proteins. Interacts with cellular components, and possesses weak ATPase activity. May be a chaperone-like protein that helps to keep newly synthesized precursors in an unfolded import compatible state ().
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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