TOMM5 Positive Control

PRODUCT OVERVIEW

Product Name	TOMM5, Positive Control
Full Product Name	TOMM5 Positive Control
Product Gene Name	TOMM5 positive control
Product Synonym Names	1110019J04Rik; C9orf105; Mitochondrial import receptor subunit TOM5 homolog; RP11-263I4.1; RP11-613M10.3; TOM5; Translocase of outer mitochondrial membrane 5 homolog (yeast) antibody
Form/Format	Western Blot Positive Control
Preparation and Storage	-20• degree C for long term storage
Matching Pairs	Antibody: TOMM5 (MBS5400123) Positive Control: TOMM5 (MBS543337)
Matching Pairs	Antibody: TOMM5 (MBS5400124) Positive Control: TOMM5 (MBS543337)
Matching Pairs	Antibody: TOMM5 (MBS5400125) Positive Control: TOMM5 (MBS543337)
Molecular Weight	9,655 Da
OMIM	616169
3D Structure	ModBase 3D Structure for Q8N4H5
Immunogen	Purified Protein
Molecular Function	Protein Transport
Structure	Forms part of the preprotein translocase complex of the outer mitochondrial membrane (TOM complex) which consists of at least 7 different proteins (TOMM5, TOMM6, TOMM7, TOMM20, TOMM22, TOMM40 and TOMM70).
Subcellular Location	Membrane, Mitochondrion, Mitochondrion outer membrane
Applications Tested/Suitable for TOMM5 positive control	Western Blot (WB)
Application Notes for TOMM5 positive control	Western Blot: 1:500
Related Product Information for TOMM5 positive control	Western Blot Positive Control Mitochondrial import receptor subunit TOM5 homolog isoform 1 Antibody Cellular protein metabolic process; Protein targeting to mitochondrion
Other Notes	Small volumes of TOMM5 positive control 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 TOMM5 purchase	MBS543337 is a positive control targeting TOMM5.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TOMM5. It may not necessarily be applicable to this product.

NCBI GI #	49169828
NCBI GeneID	401505

NCBI Accession #	NP_001001790.1
UniProt Primary Accession #	Q8N4H5
UniProt Secondary Accession #	Q5JRT7; B2DG07; F6S928
UniProt Related Accession #	Q8N4H5
GenBank Nucleotide #	NM_001001790.2
NCBI Official Full Name	mitochondrial import receptor subunit TOM5 homolog isoform 1
NCBI Official Synonym Full Names	translocase of outer mitochondrial membrane 5
NCBI Official Symbol	TOMM5
NCBI Official Synonym Symbols	Tom5; C9orf105; bA613M10.3
UniProt Protein Name	Mitochondrial import receptor subunit TOM5 homolog
Protein Family	Mitochondrial import receptor
UniProt Gene Name	TOMM5
UniProt Synonym Gene Names	C9orf105; TOM5
UniProt Entry Name	TOM5_HUMAN
NCBI Protein Information	mitochondrial import receptor subunit TOM5 homolog
UniProt Comments for TOMM5	TOMM5: Belongs to the Tom5 family. Protein type: Membrane protein, integral; Mitochondrial; Transporter Chromosomal Location of Human Ortholog: 9p13.2 Cellular Component: integral to membrane; mitochondrial outer membrane; mitochondrial outer membrane translocase complex; mitochondrion Molecular Function: protein transporter activity Biological Process: macroautophagy; protein targeting to mitochondrion
Research Articles on TOMM5	**1.** The human counterparts of Tom5 and Tom6, together with the other components including Tom7, were identified in the preprotein translocase complex.
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