THO Complex Subunit 3 (THOC3) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	THO complex subunit 3 (Thoc3), Recombinant Protein
Full Product Name	Recombinant Mouse THO complex subunit 3 (Thoc3)
Product Gene Name	Thoc3 recombinant protein
Product Synonym Gene Name	Thoc3
Sequence	MAAPAAVLGP SALGQSGPGS MAPWCSVSSG PSRYVLGMQE LFRGHSKTRE FPAHSAKVHS VAWSCDGRRL ASGSFDKTAS VFLLEKDRLV KENNYRGHGD SVDQLCWHPS NPDLFVTASG DKTIRIWDVR TTKCIATVNT KGENINICWS PDGQTIAVGN KDDVVTFIDA KTHRSKAEEQ FKFEVNEISW NNDNNMFFLT NGNGCINILS YPELKPVQSI NAHPSNCICI KFDPMGKYFA TGSADALVSL WDVDELVCVR CFSRLDWPVR TLSFSHDGKM LASASEDHFI DIAEVETGDK LWEVQCESPT FTVAWHPKRP LLAFACDDKD GKYDSSREAG TVKLFGLPND S
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	38,738 Da
Sequence Positions	1-351, 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 Q8VE80
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Thoc3 recombinant protein	MBS1347916 is a recombinant protein targeting Thoc3. Also known as Recombinant Mouse THO complex subunit 3 (Thoc3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Thoc3 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 Thoc3. It may not necessarily be applicable to this product.

NCBI GI #	254553424
NCBI GeneID	73666
NCBI Accession #	NP_082873.2
UniProt Primary Accession #	Q8VE80
UniProt Secondary Accession #	Q9CWI8

UniProt Related Accession #	Q8VE80
GenBank Nucleotide #	NM_028597.3
NCBI Official Full Name	THO complex subunit 3
NCBI Official Synonym Full Names	THO complex 3
NCBI Official Symbol	Thoc3
NCBI Official Synonym Symbols	AL033344; 2410044K02Rik
UniProt Protein Name	THO complex subunit 3
UniProt Gene Name	Thoc3
UniProt Synonym Gene Names	Tho3
NCBI Protein Information	THO complex subunit 3
UniProt Comments for Thoc3	Required for efficient export of polyadenylated RNA and spliced mRNA. Acts as component of the THO subcomplex of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and which specifically associates with spliced mRNA and not with unspliced pre-mRNA. TREX is recruited to spliced mRNAs by a transcription-independent mechanism, binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export to the cytoplasm via the TAP/NFX1 pathway ().
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