Atpase Family AAA Domain-Containing Protein 1 (ATAD1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	ATPase family AAA domain-containing protein 1 (ATAD1), Recombinant Protein
Full Product Name	Recombinant Human ATPase family AAA domain-containing protein 1 (ATAD1)
Product Gene Name	ATAD1 recombinant protein
Product Synonym Gene Name	ATAD1
Sequence	MVHAEAFSRP LSRNEVVGLI FRLTIFGAVT YFTIKWMVDA IDPTRKQKVE AQKQAEKLMK QIGVKNVKLS EYEMSIAAHL VDPLNMHVTW SDIAGLDDVI TDLKDTVILP IKKKHLFENS RLLQPPKGVL LYGPPGCGKT LIAKATAKEA GCRFINLQPS TLTDKWYGES QKLAAAVFSL AIKLQPSIIF IDEIDSFLRN RSSSDHEATA MMKAQFMSLW DGLDTDHSCQ VIVMGATNRP QDLDSAIMRR MPTRFHINQP ALKQREAILK LILKNENVDR HVDLLEVAQE TDGFSGSDLK EMCRDAALLC VREYVNSTSE ESHDEDEIRP VQQQDLHRAI EKMKKSKDAA FQNVLTHVCL D
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	32,408 Da
Sequence Positions	1-361, 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.
OMIM	614452
3D Structure	ModBase 3D Structure for Q8NBU5
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ATAD1 recombinant protein	MBS1333833 is a recombinant protein targeting ATAD1. Also known as Recombinant Human ATPase family AAA domain-containing protein 1 (ATAD1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ATAD1 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 ATAD1. It may not necessarily be applicable to this product.

NCBI GI #	1013367898
NCBI GeneID	84896
NCBI Accession #	NP_001308896.1

UniProt Primary Accession #	Q8NBU5
UniProt Secondary Accession #	Q6DKG1; Q6P4B9; Q8N3G1; Q8WYR9; Q969Y3; D3DR26
UniProt Related Accession #	Q8NBU5
GenBank Nucleotide #	NM_001321967.1
NCBI Official Full Name	ATPase family AAA domain-containing protein 1 isoform 1
NCBI Official Synonym Full Names	ATPase family, AAA domain containing 1
NCBI Official Symbol	ATAD1
NCBI Official Synonym Symbols	AFDC1; FNP001; THORASE
UniProt Protein Name	ATPase family AAA domain-containing protein 1
UniProt Synonym Protein Names	Thorase
Protein Family	ATPase family AAA domain-containing protein
UniProt Gene Name	ATAD1
NCBI Protein Information	ATPase family AAA domain-containing protein 1
UniProt Comments for ATAD1	ATPase that plays a critical role in regulating the surface expression of AMPA receptors (AMPAR), thereby regulating synaptic plasticity and learning and memory. Required for NMDA-stimulated AMPAR internalization and inhibition of GRIA1 and GRIA2 recycling back to the plasma membrane; these activities are ATPase-dependent ().
Research Articles on ATAD1	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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