

Datasheet for ABIN7565023

ATP13A1 Protein (AA 1-1200) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP13A1
Protein Characteristics:	AA 1-1200
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP13A1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Atp13a1 Protein expressed in mammalian cells.
Sequence:	MAVVGNAVPC GARPGGARDN GSPQPGSRLR PGLAAGPALI ANGDELVAHV WPYRRLLALLR RLTVLPFAGL LYPAWLGAAA SGCWGWGSSW TQIPEAALLA LATICLAHAL TVLSGHWSVH AHCALTCTPE YDPNKVTFVK VVPTPNNGST ELVALHRDKG EDGLEVLSEF FQKIKYSYDA LEKKQFLPVA FPGVNAFSYY QSNRQFQEDS EIRAAEKKFG SNKAEMVVPD FSELFKERAT APFFVFQVFC VGLWCLDEYW YYSVFTLSML VAFEASLVQQ QMRNMSEIRK MGNKPHMIQV YRSRKRWPVA SDDIVPGDIV SIGRSPQENL VPCDVLLLRG RCIVDEAMLT GESVPQMKEP IEDLSPDRVL DLQADARLHV IFGGTKVVQH IPPQKATSGL KPDVNGCVAF VLRTGFNTSQ GRLLRITILFG VKRVTANNLE TFIFILFLV FAIAAAAYVW VEGTKDPSRN RYKLFLECTL ILTSVVPPEL PIELSLAVNT SLIALAKLYM YCTEPRIFP AGKVEVCCFD KTGTLSDSL VVRGVAGLRD GKEVTPVSSI PIETHRALAS CHSLMQLDDG TLVGDPLEKA MLTAVDWTLT KDEKVFPRSI KTQGLKIHQR FHFASALKRM SVLASYEKLK STDLCYIAAV KGAPETLHSM FSQCPPDYHH IHTEISREGA RVLALGYKEL GHLTHQQARE IKREALECSL KFGVFIWVSC

Product Details

PLKADSKAVI REIQNASHRV VMITGDNPLT ACHVAQELHF IDKAHTLILH PPSEKGQPCE
WRSIDSSIVL PLTLGSPKAL ALEHALCLTG DGLAHLQAVD PQLLCLIPH VQVFARVAPK
QKEFVITSLK ELGYVTLMCG DGTNDVGALK HADVGVALLA NAPERVVERR RRRPRDSPVLS
NSGPRVSRST KQKSALLSPE EPPASHRDRL SQVLRDLEEE STPIVKLGDA SIAAPFTSKL
SSIQCICHVI KQGRCTLVTT LQMFKILALN ALILAYSQSV LYLEGVKFSD FQATLQGLL
AGCFLFISRS KPLKTLRER PLPNIFNLYT ILTVMLQFSV HFLSLVYLYR EAQARSPEKQ
EQFVDLYKEF EPSLVNSTVY IMAMAMQMAT FAINYKGPFF MESLPENKPL VWSLAVSLLA
IIGLLLGSSP DFNSQFGLVD IPVEFKLVIG QVLALDFCLA LLADRVLQFF LGTPKLRVPS **Sequence
without tag. The proposed Purification-Tag is based on experiences with the expression
system, a different complexity of the protein could make another tag necessary. In case you
have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: ATP13A1

Alternative Name: Atp13a1 ([ATP13A1 Products](#))

Target Details

Background: Endoplasmic reticulum transmembrane helix translocase (EC 7.4.2.-) (Endoplasmic reticulum P5A-ATPase),FUNCTION: Endoplasmic reticulum translocase required to remove mitochondrial transmembrane proteins mistargeted to the endoplasmic reticulum. Acts as a dislocase that mediates the ATP-dependent extraction of mislocalized mitochondrial transmembrane proteins from the endoplasmic reticulum membrane. Specifically binds mitochondrial tail-anchored transmembrane proteins: has an atypically large substrate-binding pocket that recognizes and binds moderately hydrophobic transmembranes with short hydrophilic luminal domains. {ECO:0000250|UniProtKB:Q9HD20}.

Molecular Weight: 132.4 kDa

UniProt: [Q9EPE9](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months