

Datasheet for ABIN7563992

ATP7B Protein (AA 1-1462) (His tag)



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Overview

Quantity:	1 mg
Target:	ATP7B
Protein Characteristics:	AA 1-1462
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP7B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Atp7b Protein expressed in mammalien cells.
Sequence:	MDPRKNLASV GTMPEQERQV TAKEASRKIL SKLALPGRPW EQSMKQSFAF DNVGYEGGLD STSSSPAATD VVNILGMTCH SCVKSIEDRI SSLKGIVNIK VSLEQGSATV RYVPSVMNLQ QICLQIEDMG FEASAAEGKA ASWPSRSSPA QEAVVKLRVE GMTCQSCVSS IEGKIRKLQG VVRIKVSLSN QEAVITYQPY LIQPEDLRDH ICDMGFEAAI KNRTAPLRLG PIDVНКLEST NLKKETVSPV QISNHFETLG HQGSYLATLP LRIDGMHCKS CVLNIEGNIG QLPGVQNIHV SLENKTAQIQ YDPSCVTPMF LQTAIEALPP GHFKVSLPDG VEENEPQSGS SQRHQEQGPG RTAVLTISGI TCASSVQPIE DMLSQRKGVQ QTSISLAEGT GAVLYDPSIV SLDELRTAVE DMGFEVSVNS ETFTINPVRN FKSGNSVPQT MGDIAGSVQK MAPDTRGLPT HQGPGHSSET PSSPGATASQ KCFVQIKGMT CASCVSNIER SLQRHAGILS VLVALMSGKA EVKYDPEIIQ SPRIAQLIQD LGFEASVMED NTVSEGDIEL IITGMTCASC VHNIESKLTR TNGITYASVA LATSKAHVKF DPEIVGPRDI IKIIEEIGFH ASLAQRNPNA HHLDHKTEIK QWKKSFLCSL

VFGIPVMGLM VYMLIPSSTP QETMVL DHNI IPGLSVLNLI FFILCTFVQF LGGWYFYVQA
YKSLRHRSAN MDVLIVLATT IAYAYSLVIL VVAVAEKAEK SPVTFFDTPP MLFVFIALGR
WLEHVAKSKT SEALAKMSL QATEATVVT L GEDNLILREE QVPMELVQRG DVIKVPGGK
FPVDGKVLEG NTMADESLIT GEAMPVTKKP GSIVIAGSIN AHGSVLLKAT HVGNDTTLAQ
IVKLVEEAQM SKAPIQQLAD RFSGYFVPFI IIISTLTLVV WIVIGFVDFG VVQKYFPSPS KHISQTEVII
RFAFQTSITV LCIACPCSLG LATPTAVMVG TGVA AQNGVL IKGGKPLEMA HKIKTVMFDK
TGTITHGVPR VMRFLLLADV ATLPLRKVLA VVGTA EASSE HPLGVAVTKY CKEELGTETL
GYSTDFQAVP GCGISCKVSN VEGILARSDL TAHPVG VGNP PTGEGAGPQT FSVLIGNREW
MRRNGLTISS DISDAMTDHE MKGQTAILVA IDGVLCGMIA IADAVKPEAA LAIYTLKSMG
VDVALITGDN RKTARAIATQ VGINKVFAEV LPSHKVAKVQ ELQNEGKKVA MVDG VNDSP
ALAQADV GIA IGTGTDVAIE AADVVLIRND LLDVVASIHL SKRTVRRIRV NLVLALIYNM
VGIIPIAAGVF MPIGIVLQPW MGSAAMAASS VSVVLSSLQL KCYRKPDLER YEAQAHGRMK
PLSASQVSVH IGMDDRRRDS PRATAWDQVS YVSQVSLSSL TSDRLSRHGG AAEDGGDKWS
LLLSDRDEEQ CI

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:	ATP7B
Alternative Name:	Atp7b (ATP7B Products)
Background:	Copper-transporting ATPase 2 (EC 7.2.2.8) (Copper pump 2) (Wilson disease-associated protein homolog),FUNCTION: Copper ion transmembrane transporter involved in the export of copper out of the cells, such as the efflux of hepatic copper into the bile. {ECO:0000250 UniProtKB:P35670}.
Molecular Weight:	157.2 kDa
UniProt:	Q64446
Pathways:	Transition Metal Ion Homeostasis , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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