

Datasheet for ABIN7564642  
**ATP10D Protein (AA 1-1416) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | ATP10D  |
| Protein Characteristics:      | AA 1-1416                                     |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This ATP10D protein is labelled with His tag. |

## Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinant Atp10d Protein expressed in mammalian cells.   |
| Sequence: | MTELLQWARH HWRRLSHGRA QGEDERPYN Y ASLLACGGKS SRTPRPAGKH RRVIPHLQCF<br>KDEYERFSGT YVNNRIRTTK YTLNLFVPRN LFEQFHRAAN LYFLFLVVLN WVPLVEAFQK<br>EITMLPLVWV LTIIAIDGL EDYRKYKIDK QINNLITKVY SRKEKKYIDC CWKNVTVGDF IRLSCNEIIP<br>ADMVLLFSTD PDGICHIETS GLDGESNLKQ RQVVRGYTEQ DSEVDPEKFS SRIECESPNN<br>DLSRFRGFLE HANKERVGLS KENLLLRGCT IRNTEAVVGI VVYAGHETKA MLNNSGPRYK<br>RSKLERRANT DVLWCVLLLI VMCLTGALGH GIWLSRYENM LFFNIPEPDG RVISPVLTGF<br>YVFWTMIILL QVLIPISLYV SIEIVKLGQI YFIQSDVDFY NEKMDSTIQC RALNITEDLG QIQYLFSDKT<br>GTLTENKMFV RRCSVAGFDY CHEENAKRLE SYQEAVSEEE ECTDTLGGSL SNMARPRAQG<br>CRTVPSGPLG KPSAQLSGST SAVGNREGSG EVPHSRQAAF SSPMETDVVP DTRLLDKFSQ<br>LTPQLLTGLD GTAQSSPLET LYIMDFIAL AICNTVVVSA PNQPRQKIGL SSLGGMPIKS<br>LEEIKNIFQK LSVRRSSSPS LASGKDSSSG TPCAFVSRIS FFSRPKLSPP MEDESSQMDE<br>IPQASNSACC TETEAQNRV GLSVSSAEAL SGPPPSASNL CYEAESPDEA ALVYAARAYR |

CTLQSRTP EQ VMVDF AALGS LTFQL LHILP FDSVRKRMSV VVRHPLSKQV VVYTKGADSV  
IMELLSVAAS DGTNPEQMI IRERTQRHLD EYAKRGLRTL CVAKKVMSDT EYAEWLRNHF  
LAETSIDNRE ELLVESAMRL ENKLTLLGAT GIEDRLQEGV PESIEALHQA GIKIWMLTGD  
KQETAVNIAY ACKLLEPDDK LFILNTQSQD ACGMLMSAIL EELQKRAQVS PELASSRKNF  
PQPDAQGGG RAGLVITGKT LEFALQESLQ RQFLELTAWC QAVICCRATP LQKSEVVKLV  
RNHHHVLTL P IGDGANDVSM IQVADIGIV SGQEGMQAVM ASDFAISQFR HLSKLLLVHG  
HWCYTRLSNM ILYFFYKNVA YVNLLFWYQF FCGFSGTSMT DYWVLIFFNL LFTSVPIIY  
GVLEKDVS AE TLLQLPELYR SGQRSEEYLP LTFWITLLDA FYQSLVCFV PYFTYQGSDI  
DIFTFGNPLN TAALFIILLH LVIESKSLTW IHMLVTV GSI LSYFFALAF GALCVTCNPP  
SNPYGIMRKH MLDPVFYLV C VLTTFVALLP RFLYRVLQGS VFPSPVLR AK YFDRLPPEER  
AEALKRWRGT AKVNHVASKH ASQSAAMSGR PTPGSSAVLA MKSATVSTVE QSTRETALDR  
GCSEPGASKM TGSSAS **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.**

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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.

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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.

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

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Grade: custom-made

## Target Details

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|                   |   |
|-------------------|---|
| Target:           | ATP10D  |
| Alternative Name: | Atp10d ( <a href="#">ATP10D Products</a> )  |
| Background:       | Phospholipid-transporting ATPase VD (EC 7.6.2.1) (ATPase class V type 10D) (P4-ATPase flippase complex alpha subunit ATP10D),FUNCTION: Catalytic component of a P4-ATPase flippase complex, which catalyzes the hydrolysis of ATP coupled to the transport of glucosylceramide (GlcCer) from the outer to the inner leaflet of the plasma membrane. {ECO:0000250 UniProtKB:Q9P241}. |
| Molecular Weight: | 158.3 kDa   |
| UniProt:          | <a href="#">Q8K2X1</a>  |

## Application Details

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|                    |   |
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| 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

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|                  |  |
|------------------|--|
| 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  |