

Datasheet for ABIN7564140
ATP2B4 Protein (AA 1-1205) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ATP2B4
Protein Characteristics:	AA 1-1205
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP2B4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Atp2b4 Protein expressed in mammalian cells.
Sequence:	MTNPPGQSVS ANTVAESHEG EFGCTLMDLR KLMELRGADA VAQISAHYGG VQEICTRLKT SPIEGLSGNP ADLEKRRLVF GKNVIPPGRP KTFLELVWEA LQDVTLIILE IAAISLVLS FYRPPGGDNE ICGHIASSPE EEEEGETGWI EGAAILASVI IVVLVAFND WSKEKQFRGL QSRIELEQKF SIIRNGQLIQ LPVAEIVVGD IAQIKYGDLL PADGILIQGN DLKIDESSLT GESDHVKKTL DKDPMLLSGT HVMEGSGRMV VTAVGVNSQT GIIFTLLGAS EEEDDDDKKK KGKKQGAPEN RNKAKTQDGV ALEIQPLNSQ EGLDSEDKEK KIARIPKKEK SVLQGLTRL AVQIGKAGLI MSVLTVVILI LYFVVDNFVI QRREWLPECT PVYIQYFVKF FIIGVTVLVV AVPEGLPLAV TISLAYSVKK MMKDNNLVRH LDACETMGNA TAICSDKTGT LTMNRMTVVQ AYIGGTHYRQ IPQPDVFPPK VLELIVNGIS INCAYTSKIQ PPEKEGGLPR QVGNKTECGL LGFVTDLKQD YQAVRNEVPE EKLFKVYTFN SVRKSMSTVI RKPEGGFRMF SKGASEIMLR RCDRILNKEG EIKSFRSKDR DNMVRNVIEP MASEGLRTIC LAYRDFDGTE PSWDIEGEIL TSLICIAVVG IEDPVRPEVP DAIACKKRAG ITVRMVTGDN VNTARAIATK CGILTPKDDF LCLEGKEFNS

Product Details

LIRNEKGEVE QEKLDKIWPK LRVLARSSPT DKHTLVKGII DSTAGEQRQV VAVTGDGTND
GPALKKADVG FAMGIAGTDV AKEASDIILT DDNFTSIVKA VMWGRNVYDS ISKFLQFQLT
VNVVAVIVAF TGACITQDSP LKAVQMLWVN LIMDTFASLA LATEPPTESL LRRRYPYGRNK
PLISRTMMKN ILGHAVYQLL IVFLLVFAGD TLFIDISGRK APLNSPPSQH YTIVFNTFVL
MQLFNEINAR KIHGEKNVFA GVYRNIIFCT VVLGTFFCQI MIVELGGKPF SCTSLTMEQW
MWCLFIGIGE LLWGQVISAI PTKSLKFLKE AGHGSDKEDI SRDTEGMDEI DLAEMELRRG
QILWVRGLNR IQTQIRVVKL FHNNHEVAHK PKNRSSIHTF MTQPEYPADD ELSQSFLDIQ
EGNPELVSKA GTSVLLLDGE AASHDNINNN AVDCHQVQIV ASHSDSPLPS LETPV **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: ATP2B4

Alternative Name: Atp2b4 ([ATP2B4 Products](#))

Target Details

Background: Plasma membrane calcium-transporting ATPase 4 (PMCA4) (EC 7.2.2.10),FUNCTION: Calcium/calmodulin-regulated and magnesium-dependent enzyme that catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell (By similarity). By regulating sperm cell calcium homeostasis, may play a role in sperm motility (PubMed:15078889). {ECO:0000250|UniProtKB:P23634, ECO:0000269|PubMed:15078889}.

Molecular Weight: 133.1 kDa

UniProt: [Q6Q477](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

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