Datasheet for ABIN7556028

ATP6V0A4 Protein (AA 1-840) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	ATP6V0A4
Protein Characteristics:	AA 1-840
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATP6V0A4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ATP6V0A4 Protein expressed in mammalian cells.
Sequence:	MVSVFRSEEM CLSQLFLQVE AAYCCVAELG ELGLVQFKDL NMNVNSFQRK FVNEVRRCES LERILRFLED EMQNEIVVQL LEKSPLTPLP REMITLETVL EKLEGELQEA NQNQQALKQS FLELTELKYL LKKTQDFFET ETNLADDFFT EDTSGLLELK AVPAYMTGKL GFIAGVINRE RMASFERLLW RICRGNVYLK FSEMDAPLED PVTKEEIQKN IFIIFYQGEQ LRQKIKKICD GFRATVYPCP EPAVERREML ESVNVRLEDL ITVITQTESH RQRLLQEAAA NWHSWLIKVQ KMKAVYHILN MCNIDVTQQC VIAEIWFPVA DATRIKRALE QGMELSGSSM APIMTTVQSK TAPPTFNRTN KFTAGFQNIV DAYGVGSYRE INPAPYTIIT FPFLFAVMFG DCGHGTVMLL AALWMILNER RLLSQKTDNE IWNTFFHGRY LILLMGIFSI YTGLIYNDCF SKSLNIFGSS WSVQPMFRNG TWNTHVMEES LYLQLDPAIP GVYFGNPYPF GIDPIWNLAS NKLTFLNSYK MKMSVILGIV QMVFGVILSL FNHIYFRRTL NIILQFIPEM IFILCLFGYL VFMIIFKWCC FDVHVSQHAP SILIHFINMF LFNYSDSSNA PLYKHQQEVQ SFFVVMALIS VPWMLLIKPF ILRASHRKSQ LQASRIQEDA TENIEGDSSS PSSRSGQRTS ADTHGALDDH GEEFNFGDVF

Product Details

	VHQAIHTIEY CLGCISNTAS YLRLWALSLA HAQLSEVLWT MVMNSGLQTR GWGGIVGVFI IFAVFAVLTV AILLIMEGLS AFLHALRLHW VEFQNKFYVG DGYKFSPFSF KHILDGTAEE **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:	ATP6V0A4
Alternative Name:	ATP6V0A4 (ATP6V0A4 Products)
Background:	V-type proton ATPase 116 kDa subunit a 4 (V-ATPase 116 kDa isoform a 4) (Vacuolar proton translocating ATPase 116 kDa subunit a isoform 4) (Vacuolar proton translocating ATPase 116 kDa subunit a kidney isoform),FUNCTION: Subunit of the V0 complex of vacuolar(H+)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (By similarity). V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some

Target Details

	cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment (By similarity). Involved in normal vectorial acid transport into the urine by the kidney (PubMed:10973252, PubMed:12414817). {ECO:0000250|UniProtKB:Q29466, ECO:0000250|UniProtKB:Q93050, ECO:0000269|PubMed:10973252, ECO:0000269|PubMed:12414817}.
Molecular Weight:	96.4 kDa
UniProt:	Q9HBG4
Pathways:	Sensory Perception of Sound, Transition Metal Ion Homeostasis, Proton Transport

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