

Recombinant Full Length Human ATP6AP2 Protein, GST-tagged

Cat. No. ATP6AP2-1113HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6AP2 full-length ORF (NP_005756.2, 1 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	350 amino acids
Description	This gene encodes a protein that is associated with adenosine triphosphatases (ATPases). Proton-translocating ATPases have fundamental roles in energy conservation, secondary active transport, acidification of intracellular compartments, and cellular pH homeostasis. There are three classes of ATPases- F, P, and V. The vacuolar (V-type) ATPases have a transmembrane proton-conducting sector and an extramembrane catalytic sector. The encoded protein has been found associated with the transmembrane sector of the V-type ATPases. [provided by RefSeq, Jul 2008]
Molecular Mass	65.4 kDa
AA Sequence	MAVFVLLAL VAGVLGNEFS ILKSPGSVVF RNGNWPIPGE RIPDVAALSM GFSVKEDLSW PGLAVGNLFH RPRATVMVMV KGVNKLALPP GSVISYPLEN AVPFSLDVA NSIHSLSFSEE TPVVLQLAPS EERVYMGKA NSVFEDLSVT LRQLRNRLFQ ENSVLSSLPL NSLSRNNEVD LLFLSELQVL HDISLLSRH KHLAKDHSPD LYSLELAGLD EIGKRYGEDS EQFRDASKIL VDALQKFADD

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MYSLYGGNAV VELVTVKSFDTSLIRKTRTI LEAKQAKNPA SPYNLAYKYN
FEYSVVFNMV LWIMIALALA VIITSYNIWN MDPGYDSIIY RMTNQKIRMD

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ATP6AP2 ATPase, H⁺ transporting, lysosomal accessory protein 2 [Homo sapiens]

Official Symbol

ATP6AP2

Synonyms

ATP6AP2; ATPase, H⁺ transporting, lysosomal accessory protein 2; ATP6IP2,
ATPase, H⁺ transporting, lysosomal interacting protein 2; renin receptor; APT6M8 9;
ATP6M8 9; M8 9; N14F; V-ATPase M8.9 subunit; renin/prorenin receptor; ER-
localized type I transmembrane adaptor; embryonic liver differentiation factor 10;
ATPase H(+)-transporting lysosomal-interacting protein 2; ATPase, H⁺ transporting,
lysosomal interacting protein 2; vacuolar ATP synthase membrane sector-associated
protein M8-9; vacuolar proton ATP synthase membrane sector associated protein
M8-9; ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) membrane sector
associated protein M8-9; M8-9; MRXE; XMRE; HT028; ELDF10; ATP6IP2; MSTP009;
APT6M8-9; ATP6M8-9; MGC99577

Gene ID

10159

mRNA Refseq

NM_005765

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Protein Refseq [NP_005756](#)

MIM [300556](#)

UniProt ID [O75787](#)

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