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	MAVFVVLLAL VAGVLGNEFS ILKSPGSVVF RNGNWPIPGE RIPDVAALSM GFSVKEDLSW PGLAVGNLFH RPRATVMVMV KGVNKLALPP GSVISYPLEN AVPFSLDSVA NSIHSLFSEE TPVVLQLAPS EERVYMVGKA NSVFEDLSVT LRQLRNRLFQ ENSVLSSLPL NSLSRNNEVD LLFLSELQVL HDISSLLSRH KHLAKDHSPD LYSLELAGLD EIGKRYGEDS EQFRDASKIL VDALQKFADD

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	MYSLYGGNAV VELVTVKSFD TSLIRKTRTI 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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