

Recombinant Full Length Human ATP6V0A2 Protein, GST-tagged

Cat. No. ATP6V0A2-1168HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V0A2 full-length ORF (AAH22300, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	372 amino acids
Description	The protein encoded by this gene is a subunit of the vacuolar ATPase (v-ATPase), an heteromultimeric enzyme that is present in intracellular vesicles and in the plasma membrane of specialized cells, and which is essential for the acidification of diverse cellular components. V-ATPase is comprised of a membrane peripheral V(1) domain for ATP hydrolysis, and an integral membrane V(0) domain for proton translocation. The subunit encoded by this gene is a component of the V(0) domain. Mutations in this gene are a cause of both cutis laxa type II and wrinkly skin syndrome. [provided by RefSeq, Jul 2009]
Molecular Mass	66.66 kDa
AA Sequence	MGSLFRSETM CLAQLFLQSG TAYECLSALG EKGLVQFRDL NQNVSSFQRK FVGEVKRCEE LERILVYLVQ EINRADIPLP EGEASPPAPP LKQVLEMQEQ LQKLEVELRE VTKNKEKLRK NLELIEYTH MLRVTKTFVK RNVEFEPTYE EFPSLESDSL LDYSCMQRLG AKLGFVSGLI NQGVKVEAFEK MLWRVCKGYT

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IVSYAELDES LEDPETGEVI KQYVFLISFW GEQIGHKVKK ICDCYHCHVY
 PYPNTAEERR EIQEGLNTRI QDLYTVLHKT EDYLRQVLCK AAESVYSRVI
 QVKKMKAIYH MLNMCSFDVT NKCLIAEVWC PEADLQDLRR ALEEGSVRLP
 SSPLPGTEER LMELINSEKK RK

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

ATP6V0A2 ATPase, H⁺ transporting, lysosomal V0 subunit a2 [Homo sapiens]

Official Symbol

ATP6V0A2

Synonyms

a2; A2V ATPase; ARCL; ATP6a2; ATP6N1D; ATP6V0A2; ATPase, H⁺ transporting, lysosomal V0 subunit a isoform 2; ATPase, H⁺ transporting, lysosomal V0 subunit a2; Infantile malignant osteopetrosis; J6B7; Lysosomal H(+) transporting ATPase V0 subunit a2; Lysosomal H(+)-transporting ATPase V0 subunit a2; Stv1; TJ6; TJ6M; TJ6s; V ATPase 116 kDa isoform a2; V type proton ATPase 116 kDa subunit a; V type proton ATPase 116 kDa subunit a isoform 2; V-ATPase 116 kDa isoform a2; V-type proton ATPase 116 kDa subunit a isoform 2; Vacuolar proton translocating ATPase 116 kDa subunit a; Vacuolar proton translocating ATPase 116 kDa subunit a isoform 2; Vph1; VPP2_HUMAN; WSS; ATP6V0A2

Gene ID

23545

mRNA Refseq

NM_012463.3

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Protein Refseq	NP_036595.2
MIM	611716
UniProt ID	Q9Y487

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