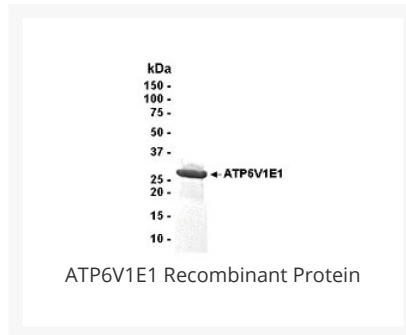




ATP6V1E1 Recombinant Protein

Cat. No.: XW-RP3020



Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	E. coli
SEQUENCE:	aa. 1-226
TESTED APPLICATIONS:	ELISA, MS, WB
APPLICATIONS:	This recombinant protein can be used for WB, ELISA, MS.
PREDICTED MOLECULAR WEIGHT:	26 kDa (Calculated)

Ψ Properties

PURITY:	95%
PHYSICAL STATE:	Liquid
BUFFER:	10 mM Tris, pH 8.0, 0.1% Triton X-100, 0.002% NaN ₃
STORAGE CONDITIONS:	Store in working aliquots at -70 °C. Avoid freeze/thaw cycles. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.

OFFICIAL SYMBOL:	ATP6V1E1
ALTERNATE NAMES:	P31, Vma4, ATP6E, ATP6E2, ATP6V1E, V-type proton ATPase subunit E 1, V-ATPase 31 kDa subunit, V-ATPase subunit E 1
ACCESSION NO.:	NP_001687
PROTEIN GI NO.:	4502317
GENE ID:	529

Background and References

BACKGROUND:	This protein is a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of a hexamer of three A and three B subunits plus the C, D, and E subunits. It contains the ATP catalytic site. The protein is known as the E subunit and is found ubiquitously.
REFERENCES:	1) Baud, V.; Mears, A. J.; Lamour, V.; Scamps, C.; Duncan, A. M. V.; McDermid, H. E.; Lipinski, M. : The E subunit of vacuolar H(+)-ATPase localizes close to the centromere on human chromosome 22. Hum. Molec. Genet. 3: 335-339, 1994.

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