

Product datasheet for **TP305447M**

ATP6V1B2 (NM_001693) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ATPase, H ⁺ transporting, lysosomal 56/58kDa, V1 subunit B2 (ATP6V1B2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205447 protein sequence Red =Cloning site Green =Tags(s)

MALRAMRGIVNGAAPELVPVPTGGPAVGAQEQALAVSRNYLSQPRLTYKTVSGVNGPLVILDHVKFPYAE
IVHLTLPDGTKRSGQVLEVSGKAVVQVFEGTSGIDAKKTSCEFTGDILRTPVSEDM LGRVFNGSGKPID
RGPVLAEDFLDIMGQPINPQCRIYPEEMIRTGISAIDGMNSIARGQKIPIFSAAGLPHNEIAAQICRQA
GLVKKSKDVVDYSEENFAIVFAAMGVNMETARFFKSDFEENGSMNDVCLFLNLANPTIERIITPRLALT
TAEFLAYQCEKHVLVILTDMSYAEALREVSAAREEVPGRRGFPGYMYTDLATIIYERAGRVGGRNGSITQ
IPILTMPNDDITHPIPDLTGYITEGQIYVDRQLHNRQIYPPINVLPSLSRLMKS AIGEGMTRKDHADVSN
QLYACYAIGKDVQAMKAVVGEEALTSDDLLEFLQKFERNFIAQGPYENRTVFETLDIGWQLLRIFPKE
MLKRIPQSTLSEFYPRDSAKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

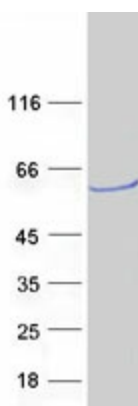
Tag:	C-Myc/DDK
Predicted MW:	56.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001684
Locus ID:	526
UniProt ID:	P21281 , A0A140VK65
RefSeq Size:	3054
Cytogenetics:	8p21.3
RefSeq ORF:	1533
Synonyms:	ATP6B1B2; ATP6B2; DOOD; HO57; VATB; Vma2; VPP3; ZLS2
Summary:	This gene encodes 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, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

Product images:



Coomassie blue staining of purified ATP6V1B2 protein (Cat# [TP305447]). The protein was produced from HEK293T cells transfected with ATP6V1B2 cDNA clone (Cat# [RC205447]) using MegaTran 2.0 (Cat# [TT210002]).