

## Product datasheet for **TP305447L**

### ATP6V1B2 (NM\_001693) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ATPase, H <sup>+</sup> transporting, lysosomal 56/58kDa, V1 subunit B2 (ATP6V1B2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205447 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MALRAMRGIVNGAAPELPVPTGGPAVGAQEQALAVSRNYLSQPRLTYKTVSGVNGPLVILDHVKFPRYAE  
IVHLTLPDGTKRSGQVLEVSGKAVVQVFEGTSGIDAKKTSCEFTGDILRTPVSEDM LGRVFN GSGKPID  
RGPVLAEDFLDIMGQPINPQCRIYPEEMIRTGISAIDGMNSIARGQKIPIFSAAGLPHNEIAAQICRQA  
GLVKKSKD VVDYSEENFAIVFAAMGVN METARFFKSDFEENGSM DNVCLFLNLAN DPTIERIITPRLALT  
TAEFLAYQCEKHVLVILTDMSSYAEALREVSAAREEVPGRRGFPGYMYTDLATIYERAGRVGGRNGSITQ  
IPILTMPNDDITHPIPDLTGYITEGQIYVDRQLHNRQIYPPINVLPSLSRLMKSAIGEGMTRKDHADVSN  
QLYACYAIGKDVQAMKAVVGEEALTSDDLLEYLFLQKFERNFIAQGPYENRTVFETLDIGWQLLRIFPKE  
MLKRIPQSTLSEFYPRDSA KH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

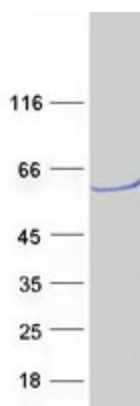
Tag:	C-Myc/DDK
Predicted MW:	56.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



[View online »](#)

<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001684</a>
<b>Locus ID:</b>	526
<b>UniProt ID:</b>	<a href="#">P21281</a> , <a href="#">A0A140VK65</a>
<b>RefSeq Size:</b>	3054
<b>Cytogenetics:</b>	8p21.3
<b>RefSeq ORF:</b>	1533
<b>Synonyms:</b>	ATP6B1B2; ATP6B2; DOOD; HO57; VATB; Vma2; VPP3; ZLS2
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).