

Product datasheet for TP508239

Atp6v1b1 (NM_134157) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATPase, H ⁺ transporting, lysosomal V1 subunit B1 (Atp6v1b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208239 protein sequence Red =Cloning site Green =Tags(s)
	MATTVDSRSSGFTGNSCDPGTAQEHVQAVTRNYITHPRVYRTVCSVNGPLWLDQVKFAQYAEIVNFTL PDGTQRSGQVLEVAGTKAIVQVFEGTSGIDSQKTTCEFTGDILRTPVSEDMLGRIFNGSGKPIDKGPVAVM AEEFLDINGQPINPHDRIYPEEMIQTGISPIDVMNSIARGQKIPIFSAAGLPHNEIAAQICRQAGLVKKS KAVLDYHEDNFAIVFAAMGVNMETARFFKSDFEQNGTMGNVCLFLNLANPTIERIITPRLALTTAEFLA YQCEKHVLVILDMSSYAEALREVSAAAREEVPGRRGFPGYMYTDLATYERAGRVEGRGGSITQIPILTM PNDDITHPIPDLTGFITEGQIYVDRQLHNRQVYPPINVLPSLSRLMKS AIGEGMTRKDHGDVSNQLYACY AIGKDVQAMKAVVGEEALTSEDLLYLEFLQKFEKNFITQGPYENRTVFESLDL GWKLLRIFPKEMLKRIIP QSMTDEFYSRQGAQQDPASDTAL
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	57.2 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
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 after receiving vials.
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_598918



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Locus ID:	110935
UniProt ID:	Q91YH6
RefSeq Size:	1945
Cytogenetics:	6 35.94 cM
RefSeq ORF:	1542
Synonyms:	Atp6b1; AW208839; D630003L15; D630030L16Rik; D630039P21Rik; Vpp-3; Vpp3
Summary:	<p>Non-catalytic subunit of the V1 complex of vacuolar(H⁺)-ATPase (V-ATPase), a multisubunit enzyme composed of a peripheral complex (V1) that hydrolyzes ATP and a membrane integral complex (V0) that translocates protons (PubMed:16174750, PubMed:23028982). V-ATPase is responsible for acidifying and maintaining the pH of intracellular compartments and in some cell types, is targeted to the plasma membrane, where it is responsible for acidifying the extracellular environment (By similarity). Essential for the proper assembly and activity of V-ATPase (By similarity). In renal intercalated cells, mediates secretion of protons (H⁺) into the urine thereby ensuring correct urinary acidification (PubMed:16174750). Required for optimal olfactory function by mediating the acidification of the nasal olfactory epithelium (PubMed:23028982).[UniProtKB/Swiss-Prot Function]</p>