

Product datasheet for **TP312179L**

ATP6V0A4 (NM_020632) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ATPase, H ⁺ transporting, lysosomal V0 subunit a4 (ATP6V0A4), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212179 representing NM_020632 Red =Cloning site Green =Tags(s)

MVSVFRSEEMCLSQFLQVEAAAYCCVAELGELGLVQFKDLNMNVNSFQRKRVNEVRRCESLERILRFLED
EMQNEIVVQLLEKSPLTPLPREMITLETVLEKLEGELQEANQNQQALKQSFLELTELKYLKKTQDFFET
ETNLADFFTEDTSGLLELKAVPAYMTGKLGFIAGVINRERMASFERLLWRICRGNVYLKFSMDAPLED
PVTKEEIQKNIFIIFYQGEQLRQKIKKICDGFRTVYPCPEPAVERREMLESVNVRLDLITVITQTESH
RQRLLQEAAANWHSWLIKVQKMKAVYHILNMCNIDVTQQCVIAEIWFVADATRIKRALEQGMELSGSSM
APIMTTVQSKTAPPTFNRTNKFTAGFQNIQVDAVGVGYSYREINPAPYTIITFPFLFAVMFGDCGHGTVMML
AALWMLNERRLLSQKTDNEIWNTFFHGRYLILLMGIFSITYGLIYNDCFSKSLNIFGSSWSVQPMFRNG
TWNTHVMEESLYLQLDPAIPGVYFGNPPYFGIDPIWNLASNKLTLFNSYKMKMSVILGIVQMVFGVILSL
FNHIYFRRTLNIILQFIPEMIFILCLFGYLVFMIIKWCDFVHVSQHAPSILIHFINMFLFNYSOSSNA
PLYKHQQEVQSFVVMALISVPWMLLIKPFILRASHRKSQQLASRIQEDATENIEGSSSPSSRSRSGQRTS
ADTHGALDDHGEEFNFGDVVHQAHTIEYCLGCISNTASYLRLWALSLAHAQLSEVLWTMVMNSGLQTR
GWGGIVGVFIIFAVFAVLTVAILLIMEGLSAFLHALRLHWVEFQNKFYVGDGYKFSFSPFKHILDGTAEE

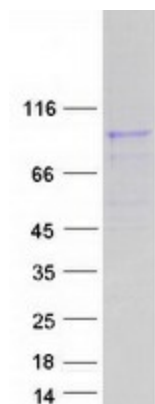
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	96.2 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

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.
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_065683
Locus ID:	50617
UniProt ID:	Q9HBG4 , A0A024R791
RefSeq Size:	3137
Cytogenetics:	7q34
RefSeq ORF:	2520
Synonyms:	A4; ATP6N1B; ATP6N2; DRTA3; RDRTA2; RTA1C; RTADR; STV1; VPH1; VPP2
Summary:	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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 and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. This gene is one of four genes in man and mouse that encode different isoforms of the a subunit. Alternatively spliced transcript variants encoding the same protein have been described. Mutations in this gene are associated with renal tubular acidosis associated with preserved hearing. [provided by RefSeq, Jul 2008]
Protein Families:	Transmembrane
Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

Product images:

Coomassie blue staining of purified ATP6V0A4 protein (Cat# [TP312179]). The protein was produced from HEK293T cells transfected with ATP6V0A4 cDNA clone (Cat# [RC212179]) using MegaTran 2.0 (Cat# [TT210002]).