

## Product datasheet for **TP505301**

### Atp6v0d2 (NM\_175406) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit D2 (Atp6v0d2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205301 representing NM_175406 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLETAELYFNVDHGYLEGLVRGCKASLLTQQDYVNLVQCETLEDLKIHLQTTDYGNFLANETNPLTVSKI  
DTEMRKKLCREFDYFRNHSLEPLSTFLTYMTCSYDNIILLMNGALQKKSVEVLAKCHPLGRFTEMEA  
VNIAETPSDLFKAVLVETPLAPFFQDCMSENTLDELNIELLRNKLYKSYLEAFYKFKDHDGVDVADVMCP  
ILEFEADRRALIITLNSFGTELSKEDRETLFPTCGRLYPEGLRLLAQAEDFEQMKRVADNYGVYKPLFDA  
VGGSGGKTLEDVFYEREVQMNVLAFNRQFHYGVFYAVYKKEQEMRNIVWIAECISQRHRTKINSYIPII

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	40.5 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:	<a href="#">NP_780615</a>
Locus ID:	242341
UniProt ID:	<a href="#">Q80SY3</a>



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RefSeq Size: 2518

Cytogenetics: 4 A3

RefSeq ORF: 1050

Synonyms: 1620401A02Rik; AI324824; V-ATPase

**Summary:** Subunit of the integral membrane V0 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system (By similarity). May play a role in coupling of proton transport and ATP hydrolysis. Regulator of osteoclast fusion and bone formation.[UniProtKB/Swiss-Prot Function]