

## Recombinant Mouse Atp6v0d2 Protein, Myc/DDK-tagged

**Cat. No.** Atp6v0d2-1772M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit D2 (Atp6v0d2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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. May play a role in coupling of proton transport and ATP hydrolysis. Regulator of osteoclast fusion and bone formation.
<b>Molecular Mass</b>	40.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<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>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	Atp6v0d2 ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit D2 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Atp6v0d2
<b>Synonyms</b>	ATP6V0D2; ATPase, H <sup>+</sup> transporting, lysosomal V0 subunit D2; V-type proton ATPase subunit d 2; V-ATPase subunit d 2; vacuolar proton pump subunit d 2; osteoclast-specific vacuolar ATP synthase; ATPase, H <sup>+</sup> transporting, V0 subunit D, isoform 2; vacuolar proton-translocating ATPase d subunit d2; AI324824; V-ATPase; 1620401A02Rik
<b>Gene ID</b>	242341
<b>mRNA Refseq</b>	NM_175406
<b>Protein Refseq</b>	NP_780615
<b>UniProt ID</b>	Q80SY3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA