

Recombinant Mouse Atp6v0d2 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ATPase, H ⁺ transporting, lysosomal V0 subunit D2 (Atp6v0d2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	40.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name [Atp6v0d2 ATPase, H⁺ transporting, lysosomal V0 subunit D2 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Atp6v0d2](#)

Synonyms ATP6V0D2; ATPase, H⁺ 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⁺ transporting, V0 subunit D, isoform 2; vacuolar proton-translocating ATPase d subunit d2; AI324824; V-ATPase; 1620401A02Rik

Gene ID [242341](#)

mRNA Refseq [NM_175406](#)

Protein Refseq [NP_780615](#)

UniProt ID [Q80SY3](#)

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