

Recombinant Mouse ATP1B3 Protein, Fc-tagged

Cat. No. ATP1B3-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ATP1B3 Protein, fused to Fc-tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Predicted to enable several functions, including ATPase activator activity; ATPase binding activity; and P-type sodium:potassium-exchanging transporter activity. Predicted to be involved in several processes, including cellular monovalent inorganic cation homeostasis; ion transmembrane transport; and positive regulation of cation transmembrane transport. Predicted to act upstream of or within ion transport. Located in cytoplasm. Is expressed in several structures, including early conceptus; heart; hemolymphoid system; nervous system; and sensory organ. Orthologous to human ATP1B3 (ATPase Na⁺/K⁺ transporting subunit beta 3).
Form	50mM Tris, 300mM NaCl, 0.1% skl, pH 8.5.
Molecular Mass	50.9 kDa
AA Sequence	MDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFN WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI EKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPEN NYKTTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEALHNHYTQKSLSLSP GKTMWAMLQTLNDEVPKYRDQIPSPGLMVFPKPQTALEYTFMSEPQTYKKLVEDL ESFLKPYSVEEQKNLTSCPDGAPFIQHGPDYRACQFPVSLLEECSGVT DANFGYSK

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GQPCILVKMNRIIDLIPDGY PQISCLPKEENATIATYPEFGVLDLKYFPYYGKKRHVGY
RQPLVAVQVKFDSGLNKKEVTVECHIAGTRNLKNKNERDKFLGRVVSFKVTARA

Purity > 90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 9mg/ml

GENE INFORMATION

Gene Name [Atp1b3 ATPase, Na⁺/K⁺ transporting, beta 3 polypeptide \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Atp1b3](#)

Synonyms AA409958; AI664000; AW212096

Gene ID [11933](#)

mRNA Refseq [NM_007502](#)

Protein Refseq [NP_031528](#)

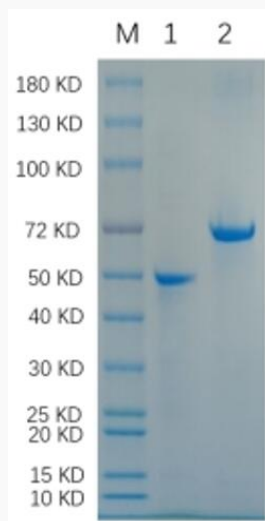
UniProt ID [P97370](#)

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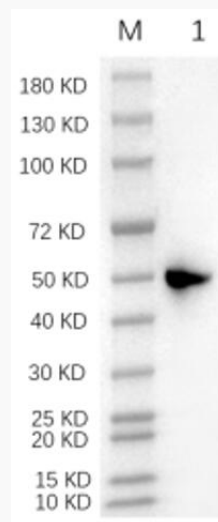
**Reducing 12% SDS-
PAGE and WB
analysis profiles of
purified CD298**



Lane1 CD298

Lane2 BSA

**Reducing 12% SDS-
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Anti-Fc

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