

Recombinant Mouse ATP2A3 Protein Product Manual

1. Product Basic Information

Product No.: REP06206

Protein Name: Calcium Pump Sr Ca(2+)-Atpase Adenosine Triphosphatase, Calcium (ATP2A3)

Aliases: calcium pump SR Ca(2+)-ATPase adenosine triphosphatase, calcium; calcium-translocating P-type ATPase; ATPase, Ca⁺⁺ transporting, ubiquitous; ATPase, Ca(2+)-transporting, ubiquitous; sarco/endoplasmic ...

UniProt ID: Q93084

UniProt Link: <https://www.uniprot.org/uniprotkb/Q93084/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Partial (314-757aa)

Molecular Weight: 55.1 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (314-757aa)

VITTCLALGTRRMARKNAIVRSLPSVETLGCTSVICSDKTGTLTTNQMSVCRMFFVVA
EAEAGTCRLHEFTISGTTYTPEGEVRQGEQPVRCGQFDGLVELATICALCNDSDALD
YNEAKGVYEKVGAEATETALTCLVEKMNVFDTDLKGLSRVERAGACNSVIKQLMRKE
FTLEFSRDRKSMVYCTPTRADPKVQGSKMFVKGAPESVIERCSSVRVGSRTAPLS
TTSREHILAKIRDWGSGLTLRCLALATRDTPPRKEDMHLDDCSRFBVQYETDLTFV
GCVGMLDPPRPEVAACITRCSRAGIRVVMITGDNKGTAVAICRRLGIFGDTEDVLGK
AYTGREFDDLSPEQQRQACRTARCFARVEPAHKSRIVENLQSFNEITAMTGDGVN
DAPALKKAEIGIAMGSGTAVAKSAAEMVLSDDNFASIVAAVEEGRAIYNNM

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse ATP2A3 partial protein (314-757aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ATP2A3, also known as calcium pump SR Ca(2+)-ATPase adenosine triphosphatase, calcium or calcium-translocating P-type ATPase or ATPase, Ca⁺⁺ transporting, ubiquitous, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.