

## Product datasheet for TP511503

### Atp2a3 (NM\_016745) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATPase, Ca <sup>++</sup> transporting, ubiquitous (Atp2a3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211503 representing NM_016745 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEEAHLISAADVLRFRSVTAEGGLSLEQVTDARERYGPNELPTEEGKSLWELVWEQFEDLLVRILLAL  
VSFVLAWFEEGETTTAFVEPLVIMLILVANAIVGVWQERNAESAIEALKEYEPEMGKVIKSDRKGVQRI  
RARDIVPGDIVEVAVGDKVPADLRLEIKSTTLRVDQSILTGESVSVTKHTDAIPDPRAVNQDKKNMLFS  
GTNIASGKALGVAVATGLQTELGKIRSQMAAVEPERTPLQRKLDEFGRQLSHAISVICVAVWVINIGHFA  
DPAHGGSWLRGAVYYFKIAVALAVAAIPEGLPAVITTCALGTTRMARKNAIVRSLPSVETLGCTSVICS  
DKTGTLTTNQMSVCRMVVAEAEAGTCRLHEFTISGTTYTPEGEVRQGEQPVRCGQFDGLVELATICALC  
NDSALDYNEAKGVYKVEGATETALTCLVEKMNVDFTDLKGLSRVERAGACNSVIKQLMRKEFTLEFSRD  
RKSMSVYCTPTRADPKVQGSKMFVKGAPESVIERCSSVRVGSRTAPLSTTSREHILAKIRDWGSQSDTLR  
CLALATRDTPPRKEDMHLDDCSRFBVQYETDLTFVGCVMGLDPPRPEVAACITRCSRAGIRVVMITGDNKG  
TAVAICRRLGIFGDTEVDLKGAYTGREFDDLSPEQQRQACRTARCFARVEPAHKSRIENLQSFNEITAM  
TGDGVNDAPALKKAEIGIAMSGTAVAKSAAEMVLSDDNFASIVAAVEEGRAIYNNMKQFIRYLISNVG  
EVCIFLTAILGLPEALIPVQLLWVNLVTDGLPATALGFNPPDLIDIMEKPPRNPREALISGWLFFRYLAI  
GVYVGLATVAAATWWFLYDTEGPQVTFYQLRNFLKCEDNPLFAGIDCKVFESRFPTTMALSVLVTIEMC  
NALNSVSENQSLLRMPPWLNPNWLLGAVVMSMALHFLILLVPLPLIFQVTPLSGRQWGVVLQMSLPVILL  
DEALKYLSRNHMDGVLGTFMQARSRLPTTSRTPYHTGKKGPEVNPGRGESPVWPSD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	114.1 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



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<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>RefSeq:</b>	<a href="#">NP_058025</a>
<b>Locus ID:</b>	53313
<b>UniProt ID:</b>	<a href="#">Q64518</a> , <a href="#">Q3U1K2</a> , <a href="#">Q3U6T4</a> , <a href="#">Q8C213</a>
<b>RefSeq Size:</b>	4593
<b>Cytogenetics:</b>	11 B4
<b>RefSeq ORF:</b>	3114
<b>Synonyms:</b>	Serca3; SERCA3b
<b>Summary:</b>	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium. Transports calcium ions from the cytosol into the sarcoplasmic/endoplasmic reticulum lumen. Contributes to calcium sequestration involved in muscular excitation/contraction.[UniProtKB/Swiss-Prot Function]