

Product datasheet for TP515322

Atp2b4 (NM_213616) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATPase, Ca ⁺⁺ transporting, plasma membrane 4 (Atp2b4), transcript variant b, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215322 representing NM_213616 Red=Cloning site Green=Tags(s)

MTNPPGQSVSANTVAESHEGEFGCTLMDLRKLMELRGADAVAQISAHYGGVQEICTRLKTSPIEGLSGNP
ADLEKRRLLVFGKNVIPPKRPKTFLELVWEALQDVTLLIILEIAAIIISLVLSFYRPPGGDNEICGHIASSPE
EEEEGETGWIEGAAILASVIIIVLVTAFNDSKEKQFRGLQSRIELEQKFSIIRNGQLIQLPVAEIVGD
IAQIKYGDLLPADGILIQGNDLKIDESSLTGESDHVKKTLDKDPMLLSGTHVMEGSGRMVVTAVGVNSQT
GIIFTLGASEEEDDDDKKKKGGKQGAPENRNKAKTQDGVALEIQPLNSQEGLDSEDKEKKIARIPKKEK
SVLQGLTRLAVQIGKAGLIMSVLTVVILILYFVDNFVIQRREWLPECTPVYIQYFVKFFIIGVTVLVV
AVPEGLPLAVTISLAYSVKMMKDNLLVRHLDACETMGNATAICSDKTGTLTMNRMTVVQAYIGGTHYRQ
IPQPDVFPKVLIVNGISINCAYSKIQPPEKEGGLPRQVGNKTECGLLGFVTDLQDYQAVRNEVPE
EKLKVFYTFNSVRKSMSTVIRKPEGGFRMFSKGASEIMLRRCRILNKEGEIKSFRSKDRDNMVRNVIEP
MASEGLRTICLAYRDFDGTPEPSWDIEGEILTSLICAVGIEDPVRPEVPDAIAKCKRAGITVRMVTGDN
VNTARAIATKCGILTPKDDFLCLEGKEFNLSIRNEKGEVEQEKLDKIWPKLRVLARSSPTDKHTLVKGII
DSTAGEQRQVAVTGDGTNDGPALKKADVGFAMGIAGTDVAKEASDIILTDNFTSIVKAVMWGRNVYDS
ISKFLQQLTVNVVAVIVAFTGACITQDSPLKAVQMLWVNLIMDTFASLALATEPPTESLLRRRPPYGRNK
PLISRTMMKNILGHAVYQLLIVFLLVFAGDTLFDIDSGRKAPLNSPPSQHYTIVFNTFVLMQLFNEINAR
KIHGEKNVFAGVYRNIIFFCTVVLGTFCCQIMIVELGGKPFSCSLTMEQWMWCLFIGIGELLWGQVISAI
PTKSLKFLKEAGHGSDKEDISRDTGEMDEIDLAEMELRRGQILWVRGLNRIQTQIRVVKLFHNNHEVAHK
PKNRSSIHTFMTQPEYPADDELSQSFLDIQEGNPELVSKAGTSVLLLDGEAASHDNINNNNAVDCHQVQIV
ASHSDSPLPSLETPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	133.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



[View online »](#)

Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_998781
Locus ID:	381290
UniProt ID:	Q6Q477 , Q3UPA8 , D1FNM9
RefSeq Size:	6284
Cytogenetics:	1 57.95 cM
RefSeq ORF:	3615
Synonyms:	Pmca4
Summary:	Calcium/calmodulin-regulated and magnesium-dependent enzyme that catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell (By similarity). By regulating sperm cell calcium homeostasis, may play a role in sperm motility (PubMed:15078889).[UniProtKB/Swiss-Prot Function]