

Product datasheet for TP510703

Agtpbp1 (BC060633) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ATP/GTP binding protein 1 (cDNA clone MGC:79186 IMAGE:6848599), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210703 representing BC060633 Red =Cloning site Green =Tags(s)

MSKLVVGEKSLTNSSRVVGLLAQLEKINTDSTESDTARYVTSKILHLAQSQEKTRREMTTKGSTGMEVL
LSTLENTKDLQTVLNILSILIELVSSGGRRASFLVAKGGSQILLQLLMNASKDSPPEHEVMVQTHSILA
KIGPKDKKFGVKARVNGALTVTLNLVKQHFQNYRLVLPCLQLLRVYSTNSVNSVSLGKNGVVELMFKIIG
PFSKKN SGLMKVALDTLAALLKSKTNARRAVDRGYVQVLLTIYVDWHRHDNRHRNMLIRKILQSLKSVT
NIKLRKAFIDANGMKILYNTSQECLAVRTLDPVNTSSLIMRKCFKPNRPLPTIKSSFHFQLPIIPVT
GPVAQLYSLPPEVDDVDESDDNDDIDLEAENELEDDLDQSFKNDDIETDINKLRPQQVPGRTIEELK
MYEHLFPELVDDFQDYELISKEPKPFVFEKGARGPIVPTAGEEVPNGSGSVKKGVMKERASPKGEEAK
EDPKGHDRTLPQQLGGQSRVAPSAHSFNNDLVKALDRITLQNVPSQVASGLNAGMRKDFGLPLTVLSCTK
ACPHVAKCGSTLFEGRTVHLGKLCCTGVETEDDEDTESHSSTEQAPSVEASDGPTLHDPDLIEIVKNTK
SVPEYSEVAYPDYFGHIPPPFEKILERPYPGVQRTKIAQDIERLIHQNDIIDRVVYDLNPTYYTPEEGD
TLKFNSKFESGNLRKVIQIRKSEYDLILNSDINSNHYHQWFYFEVSGMRPGVAYRFNIINCEKSNSQFNY
EITSHEAQLPQADRRASPTTPSPSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	168.1 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
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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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.
Locus ID:	67269
UniProt ID:	Q641K1
RefSeq Size:	4585
Cytogenetics:	13
RefSeq ORF:	2385
Synonyms:	Nna1, 4930445M19Rik, 1700020N17Rik
Summary:	Metalloprotease that mediates deglutamylation of target proteins. Catalyzes the deglutamylation of polyglutamate side chains generated by post-translational polyglutamylation in proteins such as tubulins. Also removes gene-encoded polyglutamates from the carboxy-terminus of target proteins such as MYLK. Acts as a long-chain deglutamylase and specifically shortens long polyglutamate chains, while it is not able to remove the branching point glutamate, a process catalyzed by AGBL5/CCP5. Deglutamylation plays a key role in cerebellar Purkinje cell differentiation, accumulation of tubulin polyglutamylation causing neurodegeneration.[UniProtKB/Swiss-Prot Function]