

Datasheet for ABIN7563981

## AGTPBP1 Protein (AA 1-1218) (His tag)



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### Overview

Quantity:	1 mg
Target:	AGTPBP1
Protein Characteristics:	AA 1-1218
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGTPBP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat Agtpbp1 Protein expressed in mammalian cells.
Sequence:	<p>MSKLKVVGEK SLTNSSRVVG LLAQLEKINT DSTESDTARY VTSKILHLAQ SQEKTRREMT</p> <p>TKGSTGMEVL LSTLENTKDL QTVLNILSIL IELVSSGGGR RASFLVAKGG SQILLQLLMN</p> <p>ASKDSPPEE VMVQTHSILA KIGPKDKKFG VKARVNGALT VTLNLVKQHF QNYRLVLPCL</p> <p>QLLRVYSTNS VNSVSLGKNG VVELMFKIIG PFSKKNGLM KVALDTLAAL LKSKTNARRA</p> <p>VDRGYVQVLL TIYVDWHRHD NRHRNMLIRK GILQSLKSVT NIKLGRKAFI DANGMKILYN</p> <p>TSQECLAVRT LDPLVNTSSL IMRKCFFPKNR LPLPTIKSSF HFQLPIIPVT GPVAQLYSLP</p> <p>PEVDDVDES DDNDIDLEV ENELENNDDL DQSFKNDDIE TDINKLRPQQ VPGRTIEELK</p> <p>MYEHLFPELV DDFQDYELIS KEPKPFVFEG KARGPIVVPT AGEEVPGNSG SVKKGVMKE</p> <p>RASPKGEEAK EDPKGHDRTL PQQLGGQSRV APSAHSFNND LVKALDRITL QNVPSQVASG</p> <p>LNAGMRKDFG LPLTVLSCTK ACPHVAKCGS TLFEGRTVHL GKLCCTGVET EDDEDTESHS</p> <p>STEQAPSVEA SDGPTLHDPD LYIEIVKNTK SVPEYSEVAY PDYFGHIPPP FKEPILERPY</p>

GVQRTKIAQD IERLIHQNDI IDRVVYDLN PTYTTPEEGD TLKFNSKFES GNLRKVIQIR  
KSEYDLILNS DINSNHYHQW FYFEVSGMRP GVAYRFNIIN CEKSNSQFNY GMQPLMYSVQ  
EALNARPWWI RMGTDICYK NHFSRSSVAA GGQKGKSYT ITFTVNPHK DDVCYFAYHY  
PYTYSTLQMH LQKLESAHNP QQIYFRKDLV CETLSGNICP LVTITAMPES NYEHCQFR  
TRPYIFLSAR VHPGETNASW VMKGTLEYLM SNSPTAQLR ESYIFKIVPM LNPDGVIENG  
HRCSLSGEDL NRQWQSPNPE LHPTIYHAKG LLQYLAALKR LPLVYCDYHG HSRKKNVFMV  
GCSIKETVWH THDNSASCDI VEDMGYRTLP KILSHIAPAF CMSSCSFVVE KSKESTARVV  
VWREIGVQRS YTMESTLCGC DQGRYKGLQI GTRELEEMGA KFCVGLLRK RLTSSLEYNL  
PSNLLDFEND LIESSCKVTS PTTYVLDEDE PRFLEEVDYS AESNDELVE LAENTGDYEP  
SAQEEALSDS EVSRTHLI **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	AGTPBP1
Alternative Name:	Agtppb1 ( <a href="#">AGTPBP1 Products</a> )
Background:	Cytosolic carboxypeptidase 1 (EC 3.4.17.-) (EC 3.4.17.24) (ATP/GTP-binding protein 1) (Nervous

Target Details

system nuclear protein induced by axotomy protein 1) (Protein deglutamylase CCP1),FUNCTION: Metallocarboxypeptidase that mediates protein deglutamylation of tubulin and non-tubulin target proteins (PubMed:21074048, PubMed:22170066, PubMed:25103237, PubMed:30420557, PubMed:29593216). Catalyzes the removal of polyglutamate side chains present on the gamma-carboxyl group of glutamate residues within the C-terminal tail of alpha- and beta-tubulin (PubMed:22170066, PubMed:25103237, PubMed:30420557). Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate (PubMed:21074048). Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of alpha-tubulin as well as non-tubulin proteins such as MYLK (PubMed:21074048, PubMed:22170066). Involved in KLF4 deglutamylation which promotes KLF4 proteasome-mediated degradation, thereby negatively regulating cell pluripotency maintenance and embryogenesis (PubMed:29593216). {ECO:0000269|PubMed:21074048, ECO:0000269|PubMed:22170066, ECO:0000269|PubMed:25103237, ECO:0000269|PubMed:29593216, ECO:0000269|PubMed:30420557}.

Molecular Weight:	137.2 kDa
UniProt:	<a href="#">Q641K1</a>
Pathways:	<a href="#">Proton Transport</a>

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months