Datasheet for ABIN7553078

AGTPBP1 Protein (AA 1-1226) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	AGTPBP1
Protein Characteristics:	AA 1-1226
Origin:	Human
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 mammalien cells.
Sequence:	MSKLKVIPEK SLTNNSRIVG LLAQLEKINA EPSESDTARY VTSKILHLAQ SQEKTRREMT AKGSTGMEIL LSTLENTKDL QTTLNILSIL VELVSAGGGR RVSFLVTKGG SQILLQLLMN ASKESPPHED LMVQIHSILA KIGPKDKKFG VKARINGALN ITLNLVKQNL QNHRLVLPCL QLLRVYSANS VNSVSLGKNG VVELMFKIIG PFSKKNSSLI KVALDTLAAL LKSKTNARRA VDRGYVQVLL TIYVDWHRHD NRHRNMLIRK GILQSLKSVT NIKLGRKAFI DANGMKILYN TSQECLAVRT LDPLVNTSSL IMRKCFPKNR LPLPTIKSSF HFQLPVIPVT GPVAQLYSLP PEVDDVVDES DDNDDIDVEA ENETENEDDL DQNFKNDDIE TDINKLKPQQ EPGRTIEDLK MYEHLFPELV DDFQDYDLIS KEPKPFVFEG KVRGPIVVPT AGEETSGNSG NLRKVVMKEN ISSKGDEGEK KSTFMDLAKE DIKDNDRTLQ QQPGDQNRTI SSVHGLNNDI VKALDRITLQ NIPSQTAPGF TAEMKKDCSL PLTVLTCAKA CPHMATCGNV LFEGRTVQLG KLCCTGVETE DDEDTESNSS VEQASVEVPD GPTLHDPDLY IEIVKNTKSV PEYSEVAYPD YFGHIPPPFK

Product Details

	EPILERPYGV QRTKIAQDIE RLIHQSDIID RVVYDLDNPN YTIPEEGDIL KFNSKFESGN LRKVIQIRKN EYDLILNSDI NSNHYHQWFY FEVSGMRPGV AYRFNIINCE KSNSQFNYGM QPLMYSVQEA LNARPWWIRM GTDICYYKNH FSRSSVAAGG QKGKSYYTIT FTVNFPHKDD VCYFAYHYPY TYSTLQMHLQ KLESAHNPQQ IYFRKDVLCE TLSGNSCPLV TITAMPESNY YEHICHFRNR PYVFLSARVH PGETNASWVM KGTLEYLMSN NPTAQSLRES YIFKIVPMLN PDGVINGNHR CSLSGEDLNR QWQSPSPDLH PTIYHAKGLL QYLAAVKRLP LVYCDYHGHS RKKNVFMYGC SIKETVWHTN DNATSCDVVE DTGYRTLPKI LSHIAPAFCM SSCSFVVEKS KESTARVVVW REIGVQRSYT MESTLCGCDQ GKYKGLQIGT RELEEMGAKF CVGLLRLKRL TSPLEYNLPS SLLDFENDLI ESSCKVTSPT TYVLDEDEPR FLEEVDYSAE SNDELDIELA ENVGDYEPSA QEEVLSDSEL SRTYLP **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:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	AGTPBP1
Alternative Name:	AGTPBP1 (AGTPBP1 Products)
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 homolog) (Protein deglutamylase CCP1),FUNCTION: Metallocarboxypeptidase that mediates protein deglutamylation of tubulin and non-tubulin target proteins (PubMed:22170066, PubMed:24022482, PubMed:30420557). 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:24022482, PubMed:30420557). Specifically cleaves tubulin long-side-chains, while it is not able to remove the branching point glutamate (PubMed:24022482). Also catalyzes the removal of polyglutamate residues from the carboxy-terminus of alpha-tubulin as well as non-tubulin proteins such as MYLK (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:22170066, ECO:0000269|PubMed:24022482, ECO:0000269|PubMed:29593216, ECO:0000269|PubMed:30420557}.
Molecular Weight:	138.4 kDa
UniProt:	Q9UPW5
Pathways:	Proton Transport

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