

Datasheet for ABIN7555909

TTBK1 Protein (AA 1-1321) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TTBK1 (Ttbk1)
Protein Characteristics:	AA 1-1321
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTBK1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TTBK1 Protein expressed in mammalian cells.
Sequence:	<p>MQCLAAALKD ETNMSGGGEQ ADILPANYVV KDRWKVLKKI GGGGFGEIYE AMDLLTRENV ALKVESAQQP KQVLKMEVAV LKKLQGKDHV CRFIGCGRNE KFNYYVMQLQ GRNLADLRSS QPRGTFLLST TLRLGKQILE SIEAIHSVGF LHRDIKPSNF AMGRLPSTYR KCYMLDFGLA RQYTNTTGDV RPPRNVAGFR GTVRYASVNA HKNREMGRHD DLWSLFYMLV EFAVGQLPWR KIKDKEQVGM IKEKYEHRML LKHMPSEFHL FLDHIASLDY FTKPDYQLIM SVFENSMKER GIAENAFDW EKAGTDALLS TSTSTPPQQN TRQTAAMFGV VNVTPVPGDL LRENTEDVQL GEHLSDQENA PPILPGRPSE GLGSPHPLVP HPGGPEAEVW EETDVNRNKL RINIGKSPCV EEEQSRGMGV PSSPVRAPPD SPTTPVRSR YRRVNSPESE RLSTADGRVE LPERRSRMDL PGSPSRQACS SQPAQMLSVD TGHADRQASG RMDVSASVEQ EALSNAFRSV PLAEEDFDLS KEWVIIDKET ELKDFPPGAE PSTSGTTDEE PEELRPLPEE GEERRRLGAE PTVRPRGRSM QALAEEDLQH LPPQPLPPQL SQGDGRSETS QPPTPGSPSH SPLHSGPRPR RRESPTGPQ RQVFSVAPPF EVNGLPRAVP LSLPYQDFKR DLSDYRERAR LLNRVRRVGF SHMLLTTPQV</p>

PLAPVQPQAN GKEEEEEEEEE DEEEEEEEDEE EEEEEEEEEEE EEEEEEEEEEE EAAAAVALGE
VLGPRSGSSS EGSERSTDRS QEGAPSTLLA DDQKESRGRA SMADGDLEPE EGSKTLVLVS
PGDMKKSPVT AELAPDPDLG TLAALTPQHE RPQPTGSQLD VSEPGTLSSV LKSEPKPPGP
GAGLGAGTVT TGVGGVAVTS SPFTKVERTF VHIAEKTHLN VMSSGGQALR SEEFSAGGEL
GLELASDGGGA VEEGARAPLE NGLALSGLNG AEIEGSALSG APRETPSEMA TNSLPNGPAL
ADGPAPVSPL EPSPEKVATI SPRRHAMPGS RPRSRIPVLL SEEDTGSEPS GSLSAKERWS
KRARPQQLA RLVMEKRQGR LLLRLASGAS SSSSEEQRRR SETLSGTGSE EDTPASEPAA
ALPRKSGRAA ATRSRIPRPI GLRMPMPVAA QQPASRSHGA APALDTAITS RLQLQTPPGS
ATAADLRPKQ PPGRGLGPR AQAGARPPAP RSPRLPASTS AARNASASPR SQSLSRRESP
SPSHQARPGV PPPRGVPPAR AQPDTGTPSPG GSKKGPRGKL QAQRATTKGR AGGAEGRAGA R

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.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target:	TTBK1 (Ttbk1)
Alternative Name:	TTBK1 (Ttbk1 Products)
Background:	Tau-tubulin kinase 1 (EC 2.7.11.1) (Brain-derived tau kinase),FUNCTION: Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU. {ECO:0000269 PubMed:16923168}.
Molecular Weight:	142.7 kDa
UniProt:	Q5TCY1

Application Details

Application Notes:	We expect the protein to work for functional studies. 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