

Datasheet for ABIN7564112
TTBK1 Protein (AA 1-1308) (His tag)



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Overview

Quantity:	1 mg
Target:	TTBK1 (Ttbk1)
Protein Characteristics:	AA 1-1308
Origin:	Mouse
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 LRENTEDV LQ GEHLSDQENA PPILPGRPPE GLGPGPHLVP HPGGPEAEVW EETDVNRNKL RINIGKTPCV EEEQSRGVGV PSSPVRAPPD SPTTPVRS LC YRRVNSPESE RLSTAADGRV ELQERRSRMD LPGSPSRQAC SSQPAQMLSV DTGHADRQAS GRMDVSASVE QEALSNAFRS VPLAEEEDFD SKEWVIIDKE TELKDFPPGA EPSTSGTTDE EPEELRPLPE EGEERRRLGT EPTVRPRGRG MHTLTEEDPR QMLPQPAPPQ LSQADGRSET SQPPTPGSPS HSPLHSGPRP RRRES DPTGP QRQVFSVAPP FEVNGLPRAV PLALPYQDFK RDLSDYRERA RLLNRVRRVG FSHMLLTAPQ</p>

VPLAPFQPQA NGKEGEEEEEE EEEEEEEEEEE EEEEEEEEEEE EEEEEEEEAG ALGEVLGPRS
GSSSEGSERS TERSQEGAPS TLLADDQKEA RGRASMADGD LEPEEGSKTL VLVSPGDMKK
SPVTAELAPD PDLGTLAALT PQHERPQPTG SQLDVSEPGT LSSILKSEPK PSGPGAGGGV
GLVAPGAGVT AVTSPFTKVE RTFVHIAEKS HLNVMSSGGQ ASRPEELSTG GELGLEVLSE
GGIAEEGAPA PLENGMALAG LDGTEMESCA LSGPPGETPS EVVTDSLPNG PALADGPAPA
SQQEPVTKKG TTISPSRHAM PGSRPRSRI VLLSEEDTGS EPSGSLSAKE RWSKRARPQQ
DLARLVMEKR QGRLLLRLAS GASSSSSEEQ RRASETLSGT GSEEDTPASE PTTALPRKAV
RAATTRSRIP RPISVSMPVE GQQLPGRPHG AASATDLAIT SRLQLQKPSG LAPAADLRPK
QSASRGP GPG RAQVSKPAAP RSPGLPASTA RHPSGSPRSQ SLSRKESSSP SHQARPGVPP
SRGVLQVRSQ PEASPVAPKK GPKGKQLQTQ RAATKGRAVV SEGRPGAR **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),FUNCTION: Serine/threonine kinase which is able to phosphorylate TAU on serine, threonine and tyrosine residues. Induces aggregation of TAU (By similarity). {ECO:0000250}.
Molecular Weight:	141.6 kDa
UniProt:	Q6PCN3

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