

Datasheet for ABIN7556108
ZBTB38 Protein (AA 1-1195) (His tag)



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Overview

Quantity:	1 mg
Target:	ZBTB38
Protein Characteristics:	AA 1-1195
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ZBTB38 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ZBTB38 Protein expressed in mammalian cells.
Sequence:	MTVMSLSRDL KDDFHSDTVL SILNEQRIRG ILCDVTIIVE DTKFKAHSNV LAASSLYFKN IFWSHTICIS SHVLELDDLK AEFVTEILNY IYSSTVVVKR QETVTDLAAA GKKLGISFLE DLTDRNFSNS PGPYVFCITE KGVVKEEKNE KRHEEPAIN GPRITNAFSI IETENSNMFM SPLDLRASFK KVSdsmrtas LCLERTDVCH EAEPVRTLAE HSYAVSSVAE AYRSQPVREH DGSSPGNTGK ENCEALAAKP KTCRKPKTFS IPQSDSATE NIPPPPVSNL EVNQERSQPQ AAVLTRSKSP NNEGDVHFSR EDENQSSDVP GPPAAEVPL VYNCSCCSKA FDSSTLLSAH MQLHKPTQEP LVCKYCNKQF TTLNRLDRHE QICMRSSHMP IPGGNQRFL E NYPTIGQNGG SFTGPEPLLS ENRIGEFSS T GSTLPDTHM VKFVNGQMLY SCVVKRSYV TLSSLRRHAN VHSWRRTPC HYCNKVFALA EYRTRHEIWH TGERRYQCIF CLETFMYYI LKNHQKSFHA IDHRLSISKK TANGGLKPSV YPYKLYRLLP MKCKRAPYKS YRNSSYENAR ENSQMNESAP GTYVVQNPHS SELPTLNFQD TVNTLTNSPA IPLETSACQD IPTSANVQNA EGTKWGEEAL KMDLDNNFYS TEVSVSSTEN AVSSDLRAGD VPVLSLSNSS ENAASVISYS GSAPSVIVHS

Product Details

SQFSSVIMHS NAIAAMTSSN HRAFSDPAVS QSLKDDSKPE PDKVGRFASR PKSIIKEKKKT
TSHTRGEIPE ESNYVADPGG SLSKTTNIAE ETSKIETYIA KPALPGTSTN SNVAPLCQIT
VKIGNEAIVK RHILGSKLFY KRGRRPKYQM QEEPLPQGND PEPGSDSPLG LCQSECMEMS
EVFDDASDQD STDKPWRPYY NYKPKKKSQRQ LKKMRKVNWR KEHGNRSPSH KCKYPAELDC
AVGKAPQDKP FEEEEKEMP KLQCELCGDG KAVGAGNQGR PHRHLSRPY ACELCAKQFQ
SPSTLKMHRM CHTGEKPYQC KTCGRCFVSQ GNLQKHERIH LGLKEFVCQY CNKAFTLNET
LKIHERIHTG EKRYHCQFCF QRFLYLSTKR NHEQRHIREH NGKGYACFQC PKICKTAAAL
GMHQKKHLFK SPSQKEKIGD VCHENSNPLE NQHFIGSEDN DQKDNIQTGV ENVVL **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: ZBTB38

Alternative Name: ZBTB38 ([ZBTB38 Products](#))

Target Details

Background: Zinc finger and BTB domain-containing protein 38,FUNCTION: Transcriptional regulator with bimodal DNA-binding specificity. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to E-box elements (5'-CACGTG-3'). Can also bind specifically to a single methyl-CpG pair. Represses transcription in a methyl-CpG-dependent manner (PubMed:16354688). Plays an important role in regulating DNA replication and common fragile sites (CFS) stability in a RBBP6- and MCM10-dependent manner, represses expression of MCM10 which plays an important role in DNA-replication (PubMed:24726359). Acts as a transcriptional activator. May be involved in the differentiation and/or survival of late postmitotic neurons (By similarity). {ECO:0000250|UniProtKB:Q5EXX3, ECO:0000269|PubMed:16354688, ECO:0000269|PubMed:24726359}.

Molecular Weight: 134.3 kDa

UniProt: [Q8NAP3](#)

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