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Datasheet for ABIN7552816

BTBD18 Protein (AA 1-712) (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | BTBD18 |
| Protein Characteristics: | AA 1-712 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BTBD18 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat BTBD18 Protein expressed in mammalien cells. |
| Sequence: | MCSPASPKIL YRNPRLRLA FLQLHHQQQS DVFCDVLLQA EGEAVPAHCC ILSACSPFFT ERLERERPAQ GQKVVLELGG LKISTLRKLV DFLYTSEMEV SQEEAQDVLS AARQLRVSEL ESLQLEGGKL VKAPQGRRLN RECLQPTSAA PISARVVTPS HHPHTPLPTN QTPCPLGAIR LKSLGKEEGP QENNRQNADN LSGTLLLKRK ARACPTPQEK NSSPSSHSQE PREKNNDTAL DPTVLSPPSL YPSVDKHLLP RKIRLSRSKP SPGICTSKPS SILSGSSSVP ATPGRRLWRQ RSVNKETPED KPKPGRASPL QSTPNPSGLG KTGGSRKRSR EVRAPNSDSA EEGQVGRVKL RKIVNGTCWE VVQETPLKNT QDSPQIPDPG GDFQEPSGTQ PFSSNEQEMS PTRTELCQDS PMCTKLQDIL VSASHSPDHP VVKSEFESSP ELVEKEPMLA IDCREPYAFD TALLEQPCEA EEYRITSAAA TSELEEILDF MLCGSDIEPP IGSLESPGAE GCRTPTYHLT ETGKNWIEGE EWCLPDMELW PRELTELEKE PAGENRGPTL LLSPLVMPSE VSEVLSVGGGR WTPDLEITSS QPLDGQEDKL LHVSSLDTPQ RSYGDLSPPC SNWVETGLEV SLTTDELLYP SPKAGKEVSG |

Product Details

HSELLGSLPA SSEEEEIDVW DWTAEGRLVP TTVPSVWDPD SSESETEVDI LT **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 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, Western Blot

Grade:

custom-made

Target Details

Target:

BTBD18

Alternative Name:

BTBD18 ([BTBD18 Products](#))

Background:

BTB/POZ domain-containing protein 18,FUNCTION: Specifically required during spermatogenesis to promote expression of piRNA precursors. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons, which is essential for the germline integrity. Acts by facilitating transcription elongation at piRNA loci during pachytene.

{ECO:0000250|UniProtKB:A0A0A6YY25}.

Molecular Weight:

77.9 kDa

Target Details

UniProt: [B2RXH4](#)

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