

Datasheet for ABIN7552734

BEND3 Protein (AA 1-828) (His tag)



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Overview

Quantity:	1 mg
Target:	BEND3
Protein Characteristics:	AA 1-828
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BEND3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant BEND3 Protein expressed in mammalian cells.
Sequence:	<p>MNSTEFTEDV EEVLKSITVK VETEAEDAAL DCSVNSRTSE KHSVDSVLTA LQDSSKRKQL</p> <p>VSDGLLDSPV GVKRRRLIPE ALLAGMRNRE NSSPCQNGE QAGRGRSLGN VWPGEEEPCN</p> <p>DATTPSYKKP LYGISHKIME KKNPPSGDLL NVYELFEKAN ASNSPSSLRL LNEPQKRDCG</p> <p>STGAGTDNDP NIYFLIQKMF YMLNTLTSNM SQLHSKVDLL SLEVSRIKKQ VSPTMVAKF</p> <p>QPPPEYQLTA AELKQIVDQS LSGGDLACRL LVQLFPELFS DVDFSRGCSA CGFAAKRKLE</p> <p>SLHLQLIRNY VEVYPSVKD TAVWQAECLP QLNDFFSRFW AQREMEDSQP SGQVASFFEA</p> <p>EQVDPGHFLD NKDQEEALSL DRSSTIASDH VVDTQDLTEF LDEASSPGEF AVFLLHRLFP</p> <p>ELFDHRKLGE QYSCYGDGGK QELDPQRLQI IRNYTEIYFP DMQEEAAWLQ QCAQRINDEL</p> <p>EGLGLDAGSE GDPPRDDCYD SSSLPDDISV VKVEDSFEGE RPGRRSCKIW LVPIDFDKLE</p> <p>IPQPDFEVPD ADCLLSKEQL RSIYESSLSI GNFAERLLVH LFPELFTHEH LRKQYNCSGS</p> <p>LGKKQLDPSR IKLIRHYVQL LYPRAKNDRV WTLEFVGKLD ERCRRRDTEQ RRSYQQQRKV</p> <p>HVPGPECRDL TSYAINPERF REEFEGPPLP PERSSKDFCK IPLDELVPS PDFPVSPYL</p>

Product Details

LSDKEVREIV QQSLSVGNFA ARLLVRLFPE LFTAENLRLQ YNHSGACNKK QLDPTLRLRI
RHYVEAVYPV EKMEEVWHYE CIPSIDERC RPNRKKCDIL KKAKKVEK **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: BEND3

Alternative Name: BEND3 ([BEND3 Products](#))

Background: BEN domain-containing protein 3,FUNCTION: Transcriptional repressor which associates with the NoRC (nucleolar remodeling complex) complex and plays a key role in repressing rDNA transcription. The sumoylated form modulates the stability of the NoRC complex component BAZ2A/TIP5 by controlling its USP21-mediated deubiquitination (PubMed:21914818, PubMed:26100909). Binds to unmethylated major satellite DNA and is involved in the recruitment of the Polycomb repressive complex 2 (PRC2) to major satellites (By similarity).

Target Details

Stimulates the ERCC6L translocase and ATPase activities (PubMed:28977671).
{ECO:0000250|UniProtKB:Q6PAL0, ECO:0000269|PubMed:21914818,
ECO:0000269|PubMed:26100909, ECO:0000269|PubMed:28977671}.

Molecular Weight: 94.5 kDa

UniProt: [Q5T5X7](#)

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