

Datasheet for ABIN7564105
BEND3 Protein (AA 1-825) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BEND3
Protein Characteristics:	AA 1-825
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BEND3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Bend3 Protein expressed in mammalian cells.
Sequence:	<p>MNSTEISEDV EEVLKNNPVK AEGSDATLDC SRNSRASEKH LLESVLTALH DSSKRKQLDS</p> <p>DGQPDSVPSV KRRRLIPEAL LAGMRTRENS SPCQNGEPA SRGRSGSCAW PAEEEPSTEA</p> <p>TVPSYKKPLY GISHKIMEKK NPPSGDLLSP YELFEKANSS SGPSPLRLLS ESQKRECGVG</p> <p>VATDGDNIY FLIQKMFYML NGLTTNMSQL HSKMDLLSLE VSRVKKQVSP SELVAKFQPP</p> <p>PEYQLTASEL KQIAEQSLSC GDACRLLLQ LPPELFSVD FSRGCSACGF AAKRKLESLH</p> <p>LQLIRNYVEV YYPNVKDTAV WQAECLPQLN DFFSRFWAQR EMEDSQGGQ VTNFFEADQV</p> <p>DAGHFLDNKD QEEALSLDRS STIASDHVVD TQDLTEFLDE ASSPGEFAVF LLHRLFPELF</p> <p>DHRKLGEQYS CYGDGGKQEL DPQRLQIIRN YTEIYFPDMQ EEEAWLQQCA QRINDELEGL</p> <p>GLEGGSEGEA PRDDCYDSSS LPDDISVVKV EDNFEGERPG RRSKKIWLVP IDFDKLEIPQ</p> <p>PDFEMPGSDC LLSKEQLRSI YESSLSIGNF ASRLLVHLFP ELFTHENLRK QYNCSGSLGK</p> <p>KQLDPARIRL IRHYVQLLYP RAKNDRVWTL EFVGKLDERC RRRDTEQRRS YQQQRKVHVP</p>

GPECRDLASY AINPERFREE FEGPPLPPER SSKDFCKIPL DELVWPSPDF PVPSPYLLSD
KEVREIVQQS LSVGNFFAARL LVRLFPELFT TENLRLQYNH SGACNKKQLD PTRRLRLIRHY
VEAVYPVEKM EEVWHYECIP SIDERCRRPN RKKCDILKKA KKVEK **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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 (By similarity). Binds to unmethylated major satellite DNA and is involved in the recruitment of the Polycomb repressive complex 2 (PRC2) to major satellites (PubMed:25457167). Stimulates the ERCC6L translocase and ATPase activities (By similarity). {ECO:0000250 UniProtKB:Q5T5X7,

Target Details

ECO:0000269|PubMed:25457167}.

Molecular Weight: 94.2 kDa

UniProt: [Q6PAL0](#)

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