

# Recombinant Human BEND3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BEND3-3478H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | BEND3 MS Standard C13 and N15-labeled recombinant protein (NP_001073919) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. Binds to unmethylated major satellite DNA and is involved in the recruitment of the Polycomb repressive complex 2 (PRC2) to major satellites (By similarity). Stimulates the ERCC6L translocase and ATPase activities.                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 94.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MNSTEFTEDVEEV LK S I T V K V E T A E D A A L D C S V N S R T S E K H S V D S V L T A L Q D S S K R<br>K Q L V S D G L L D S V P G V K R R R L I P E A L L A G M R N R E N S S P C Q G N G E Q A G R G R S L G N V W<br>P G E E E P C N D A T T P S Y K K P L Y G I S H K I M E K K N P P S G D L L N V Y E L F E K A N A S N S P S S L R<br>L L N E P Q K R D C G S T G A G T D N D P N I Y F L I Q K M F Y M L N T L T S N M S Q L H S K V D L L S L E V S R<br>I K K Q V S P T E M V A K F Q P P P E Y Q L T A A E L K Q I V D Q S L S G G D L A C R L L V Q L F P E L F S D V D<br>F S R G C S A C G F A A K R K L E S L H L Q L I R N Y V E V Y Y P S V K D T A V W Q A E C L P Q L N D F F S R F |

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WAQREMEDSQPSGQVASFFAEQVDPGHFLDNKDQEEALSLDRSSTIASDHVVD  
 QDLTEFLDEASSPGEFAVFLHRLFPFLDHRKLGEQYSCYGDGGKQELDPQRLQII  
 RNYTEIYFPDMQEEEEAWLQQCAQRINDELEGLGLDAGSEGDPDRDDCYDSSSLPD  
 DISVVKVEDSFEGERPGRRSKKIWLVPIDFDKLEIPQPDFEVPGADCLLSKEQLRSIY  
 ESSLSIGNFASRLLVHLFPFLFTHENLRKQYNCSGSLGKKQLDPSRIKLIRHYVQLLY  
 PRAKNDRVWTLFVVGKLDERCRRRDTEQRRSYQQQRKVHVPGPEDRDLTSYAINP  
 ERFREEFEGPPLPPERSSKDFCKIPLDELVVPSPDFVPSPYLLSDKEVREIVQQSLS  
 VGNFAARLLVRLFPFLFTAENLRLQYNHSGACNKKQLDPTRLRLIRHYVEAVYPVEK  
 MEEVWHYECIPSIDERCRRPNRKKCDILKKAKKVEKTRTRPLEQKLISEEDLAANDIL  
 DYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** BEND3 BEN domain containing 3 [ Homo sapiens (human) ]

**Official Symbol** BEND3

**Synonyms** BEND3; BEN domain containing 3; KIAA1553; BEN domain-containing protein 3

**Gene ID** 57673

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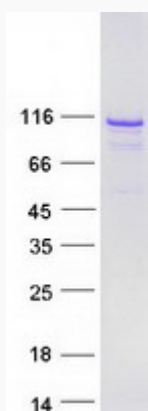
mRNA Refseq NM\_001080450

Protein Refseq NP\_001073919

MIM 616374

UniProt ID Q5T5X7

SDS-PAGE



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