

## Product datasheet for TP315913

### BEND3 (NM\_001080450) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human BEN domain containing 3 (BEND3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215913 representing NM_001080450 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MNSTEFTEDVEEVLSITVKVETEAEADAALDCSVNSRTSEKHSVDSVLTALQDSSKRKQLVSDGLLDVSV  
GVKRRRLIPEALLAGMRNRENSSPCQGNGEQAGRGRSLGNVWPGEEPCNDATTPSYKKPLYGISHKIME  
KKNPPSGDLLNVYELFEKANASNPSLLRLLNEPQKRDCGSTGAGTDNDPNYFLIQKMFYMLNLTLSNM  
SQLHSKVDLLSLEVSRIKKQVSPTEMVAKFQPPPEYQLTAAELKQIVDQSLSGGDLACRLLVQLFPELFS  
DVDFSRGCSACGFAAKRKLES LHLQLIRNYVEVYPSVKDTAVWQAECPLQLNDFFSRFWAQREMEDSQP  
SGQVASFFAEQVDPGHFLDNKDQEEALS LDRSSTIASDHVVD TQDLTEFLDEASSPGEFAVLLHRLFP  
ELFDHRKLGEQYSCYGDGGKQELDPQRLQIIRNYTEIYFPDMQEEEAWLQQAQRINDELEGLGLDAGSE  
GDPPRDDCYDSSSLPDDISVVKVEDSFEGERPGRRSKKIWLVPIDFDKLEIQPDFEVP GADCLLSKEQL  
RSIYESSLSIGNFASRLLVHLFPELFTHENLRKQYNCSGLGKKQLDPSRIKLIRHYVQLLYPRAKNDRV  
WTLEFVGKLDERCRRRDTEQRRSYQQQRKVHVP GPECRDLTSYAINPERFREEFEGPPLPPERSSKDFCK  
IPLDELVWSPDFVPVSPYLLSDKEVREIVQQSLVGNFAARLLVRLFPELFTAENLRLQYNHSGACNKK  
QLDPTRLRLIRHYVEAVYPVEKMEEWVHYECIPSIDERCRRPNRKKCDILKAKKVEK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

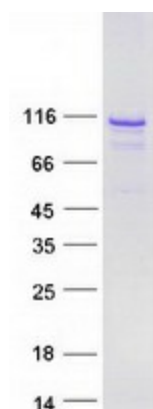
Tag:	C-Myc/DDK
Predicted MW:	94.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001073919</a>
Locus ID:	57673
UniProt ID:	<a href="#">Q5T5X7</a>
RefSeq Size:	6010
Cytogenetics:	6q21
RefSeq ORF:	2484
Synonyms:	KIAA1553
Summary:	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). Stimulates the ERCC6L translocase and ATPase activities (PubMed:28977671).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified BEND3 protein (Cat# TP315913). The protein was produced from HEK293T cells transfected with BEND3 cDNA clone (Cat# [RC215913]) using MegaTran 2.0 (Cat# [TT210002]).