

Product datasheet for PH315913

BEND3 (NM_001080450) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BEND3 MS Standard C13 and N15-labeled recombinant protein (NP_001073919)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215913
Predicted MW:	94.3 kDa
Protein Sequence:	>RC215913 representing NM_001080450 Red =Cloning site Green =Tags(s)

MNSTFTEDVEEVLSKISITVKVETEAEDAALDCSVNSRTSEKHSVDSVLTAQDSSKRKQLVSDGLLDSVP
 GVKRRRLIPEALLAGMRNRENSSPCQNGEQAGRGSLGNVWPGEETPCNDATTPSYKKPLYGISHKIME
 KKNPPSGDLLNVYELFEKANASNSPSSLRLLNEPQKRDCGSTGAGTDNDPNIFYLIQKMFYMLNTLTSNM
 SQLHSKVDLLSLEVSRIKKQVSPTEMVAKFQPPPEYQLTAAELKQIVDQSLSGGDLACRLLVQLFPELFS
 DVDFSRGCSACGFAAKRKLESLHLQLIRNYVEVYYPVSKDTAVWQAECLPQLNDFFSRFWAQREMDSQP
 SGQVASFFAEQVDPGHFLDNKDQEEALSLDRSSTIASDHVVDQTDLTEFLDEASSPGEFAVFLHRLFP
 ELFDHRKLGEQYSCYGDGGKQELDPQLQIRNYTEIYFPDMQEEEAWLQQAQRINDELEGLDAGSE
 GDPPRDCCYDSSSLPDDISVVKVEDSFEGERPGRRSKKIWLVPIDFDKLEIPQPDFEVPGADCLLSKEQL
 RSIYESSLSIGNFASRLLVHLFPELFTHENLRKQYNCSSGLGKKQLDPSRIKLIRHYVQLLYPRAKNDRV
 WTLEFVGKLDERCRRRDTEQRRSYQQRKVHVPGECDLTSYAINPERFREEFEGPPLPPERSSKDFCK
 IPLDELVVPSPDFVPSPYLLSDKEVREIVQQLSVGNFAARLLVRLFPELFTAENLRLQYNHSGACNKK
 QLDPTRLRLIRHYVEAVYPVEKMEEVWHYECIPSIDERCRRPNRKKCDILKKAKKVEK

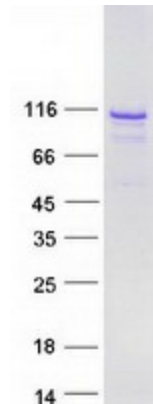
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001073919


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RefSeq Size:	6010
RefSeq ORF:	2484
Synonyms:	KIAA1553
Locus ID:	57673
UniProt ID:	<u>Q5T5X7</u>
Cytogenetics:	6q21
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]).