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Product datasheet for PH300634

BAD (NM_004322) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BAD MS Standard C13 and N15-labeled recombinant protein (NP_004313)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200634
Predicted MW:	18.2 kDa
Protein Sequence:	>RC200634 representing NM_004322 Red=Cloning site Green=Tags(s) MFQIPEFEPSEQEDSSSAERGLGPSPAGDGPSGSGKHHRQAPGLLWDASHQQEQPTSSSHHGGAGAVEIR SRHSSYPAGTEDDEGMGEEPSPFRGRSRSAPPNLWAAQRYGRELRRMSDEFVDSFKKGLPRPKSAGTATQ MRQSSSWTRVFQSWWDRNLGRGSSAPSQ 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004313
RefSeq Size:	1127
RefSeq ORF:	504
Synonyms:	BBC2; BCL2L8
Locus ID:	572
UniProt ID:	Q92934, A0A024R562

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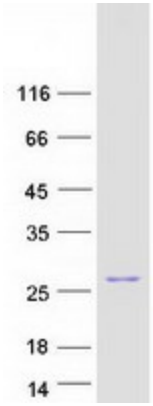
Cytogenetics: 11q13.1

Summary: The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL (B-cell lymphoma-extra large) and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. [provided by RefSeq, Dec 2019]

Protein Families: Druggable Genome

Protein Pathways: Acute myeloid leukemia, Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Insulin signaling pathway, Melanoma, Neurotrophin signaling pathway, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, VEGF signaling pathway

Product images:



Coomassie blue staining of purified BAD protein (Cat# [TP300634]). The protein was produced from HEK293T cells transfected with BAD cDNA clone (Cat# [RC200634]) using MegaTran 2.0 (Cat# [TT210002]).