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Product datasheet for TP300634

BAD (NM_004322) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human BCL2-associated agonist of cell death (BAD), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200634 representing NM_004322 Red=Cloning site Green=Tags(s) MFQIPEFEPSEQEDSSSAERGLGPSPAGDGPSGSGKHHRQAPGLLWDASHQQEQPTSSSHHGGAGAVEIR SRHSSYPAGTEDDEGMGEEPSPFRGRSRSAPPNLWAAQRYGRELRRMSDEFVDSFKKGLPRPKSAGTATQ MRQSSSWTRVFQSWWDRNLGRGSSAPSQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	18.2 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.
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:	NP_004313
Locus ID:	572
UniProt ID:	Q92934, A0A024R562

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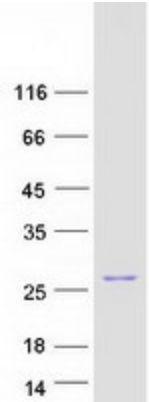
RefSeq Size:	1127
Cytogenetics:	11q13.1
RefSeq ORF:	504
Synonyms:	BBC2; BCL2L8
Summary:	The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers 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]).

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