Bcl-2-Binding Component 3 (BBC3) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Bcl-2-binding component 3 (BBC3), Recombinant Protein
Full Product Name	Recombinant Human Bcl-2-binding component 3 (BBC3)
Product Gene Name	BBC3 recombinant protein
Product Synonym Gene Name	BBC3
Sequence	MARARQEGSS PEPVEGLARD GPRPFPLGRL VPSAVSCGLC EPGLAAAPAA PTLLPAAYLC APTAPPAVTA ALGGSRWPGG PRSRPRGPRP DGPQPSLSLA EQHLESPVPS APGALAGGPT QAAPGVRGEE EQWAREIGAQ LRRMADDLNA QYERRRQEEQ QRHRPSPWRV LYNLIMGLLP LPRGHRAPEM EPN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	10,326 Da
Sequence Positions	1-193, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	605854
3D Structure	ModBase 3D Structure for Q9BXH1
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BBC3 recombinant protein	MBS1458132 is a recombinant protein targeting BBC3. Also known as Recombinant Human Bcl-2-binding component 3 (BBC3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BBC3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BBC3. It may not necessarily be applicable to this product.

NCBI GI #	187829730
NCBI GeneID	27113
NCBI Accession #	NP_001120712.1
UniProt Primary Accession #	Q9BXH1
UniProt Secondary Accession #	O00171; Q96PG9; B9EGI3

UniProt Related Accession #	Q96PG8; Q9BXH1
GenBank Nucleotide #	NM_001127240.2
NCBI Official Full Name	bcl-2-binding component 3 isoform 1
NCBI Official Synonym Full Names	BCL2 binding component 3
NCBI Official Symbol	BBC3
NCBI Official Synonym Symbols	JFY1; PUMA; JFY-1
UniProt Protein Name	Bcl-2-binding component 3
UniProt Synonym Protein Names	JFY-1; p53 up-regulated modulator of apoptosis
Protein Family	Bcl-2-binding component
UniProt Gene Name	BBC3
UniProt Synonym Gene Names	PUMA
NCBI Protein Information	bcl-2-binding component 3
NCBI Summary for BBC3	This gene encodes a member of the BCL-2 family of proteins. This family member belongs to the BH3-only pro-apoptotic subclass. The protein cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members to induce mitochondrial dysfunction and caspase activation. Because of its pro-apoptotic role, this gene is a potential drug target for cancer therapy and for tissue injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]
UniProt Comments for BBC3	Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53. Regulates ER stress-induced neuronal apoptosis.
Research Articles on BBC3	**1.** Knockdown of Slug enhanced the antitumor activity of DOX in SW1736 cells via induction of PUMA upregulation. Our results suggest that targeting of Slug has good potential for the development of new therapeutic strategies for Anaplastic thyroid carcinoma.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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