

Product datasheet for PH325345

Bcl2 Binding component 3 (BBC3) (NM_001127240) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BBC3 MS Standard C13 and N15-labeled recombinant protein (NP_001120712)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225345
Predicted MW:	26.3 kDa
Protein Sequence:	>RC225345 representing NM_001127240 Red=Cloning site Green=Tags(s) MKFGMGSQAQCPCQVPRAASTTWVPCQICGPRERHGPRTPGGQLPGARRGPGPRRPAPLPPALGGSV LRPLRARPGRPRRPHPAARCLPLRPHRPTRRHRRPGGFPLAWGSPQPAPRPAPGRSSALALAGGAAPGV ARAQRPGGSGGRSHPGGPGSPRGGTVGPGDRGPAADGGRPQRTVRAAETRGAAPPLTLEGPVQSHH GTPALTQGPQSPRGAQLGACTRPVDVRDSGGRPLPPPDTLASAGDFLCTM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_001120712
RefSeq ORF:	783
Synonyms:	JFY-1; JFY1; PUMA
Locus ID:	27113
UniProt ID:	Q9BXH1 , Q96PG8
Cytogenetics:	19q13.32



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Summary:

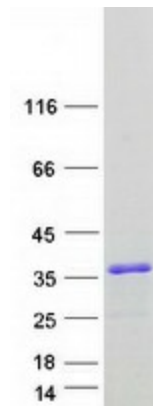
This gene encodes a member of the BCL-2 family of proteins. This family member belongs to the BH3-only pro-apoptotic subclass. The protein cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members 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]

Protein Families:

Druggable Genome

Protein Pathways:

Huntington's disease, p53 signaling pathway

Product images:

Coomassie blue staining of purified BBC3 protein (Cat# [TP325345]). The protein was produced from HEK293T cells transfected with BBC3 cDNA clone (Cat# [RC225345]) using MegaTran 2.0 (Cat# [TT210002]).