

## Product datasheet for PH313203

### Bcl2 Binding component 3 (BBC3) (NM\_014417) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BBC3 MS Standard C13 and N15-labeled recombinant protein (NP_055232)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213203
Predicted MW:	20.4 kDa
Protein Sequence:	>RC213203 representing NM_014417 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MARARQEGSSPEPVEGLARDGPRPFPLGRLVPSAVSCGLCEPGLAAAPAPTLLPAAAYLCAPTAPPAVTA ALGGSRWPGGPRSRPRGPRPDGQPQSLSLAEQHLESPVPSAPGALAGGPTQAAPGVRGEEEQWAREIGAQ LRRMADDLNAQYERRRQEEQQRHRPSPWRVLYNLIMGLLPLPRGHRAPEMEPN  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_055232</a>
RefSeq Size:	1840
RefSeq ORF:	579
Synonyms:	JFY-1; JFY1; PUMA
Locus ID:	27113
UniProt ID:	<a href="#">Q9BXH1</a>



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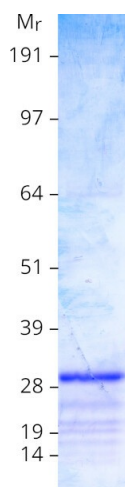
**Cytogenetics:** 19q13.32

**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# [TP313203]). The protein was produced from HEK293T cells transfected with BBC3 cDNA clone (Cat# [RC213203]) using MegaTran 2.0 (Cat# [TT210002]).