

## Product datasheet for PH304369

### BAX (NM\_138761) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BAX MS Standard C13 and N15-labeled recombinant protein (NP_620116)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204369
Predicted MW:	21 kDa
Protein Sequence:	>RC204369 representing NM_138761 Red=Cloning site Green=Tags(s)  MDGSGEQPRGGGPTSSEQIMKTGALLLQGFIQDRAGRMGGEAPELALDPVPQDASTKKLSECLKRIGDEL DSNMELQRMIAAVDSTDSPREVFRRVAADMFSDGNFNWGRVVALFYFASKLVLKALCTKVPELIRTIMGWT LDFLRERLLGWIQDQGGWDGLLSYFGTPTWQTVTIFVAGVLTASLTIWKKMG  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- <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_620116</a>
RefSeq Size:	888
RefSeq ORF:	576
Synonyms:	BCL2L4
Locus ID:	581
UniProt ID:	<a href="#">Q07812</a>



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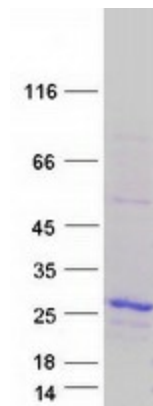
**Cytogenetics:** 19q13.33

**Summary:** The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. The association and the ratio of BAX to BCL2 also determines survival or death of a cell following an apoptotic stimulus. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene. [provided by RefSeq, Dec 2019]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Huntington's disease, Neurotrophin signaling pathway, p53 signaling pathway, Pathways in cancer, Prion diseases

### Product images:



Coomassie blue staining of purified BAX protein (Cat# [TP304369]). The protein was produced from HEK293T cells transfected with BAX cDNA clone (Cat# [RC204369]) using MegaTran 2.0 (Cat# [TT210002]).