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# Product datasheet for PH301314

## Bcl x (BCL2L1) (NM_138578) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | BCL2L1 MS Standard C13 and N15-labeled recombinant protein (NP_612815) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC201314 |
| **Predicted MW:** | 26 kDa |
| **Protein Sequence:** | >RC201314 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MSQSNRELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAVNGATG<br>HSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRI<br>VAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQENGGWDTFVELYGNNAAAESRKGQERF<br>NRWFLTGMTVAGVVLLGSLFSRK<br><br>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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_612815 |
| **RefSeq Size:** | 2575 |
| **RefSeq ORF:** | 699 |
| **Synonyms:** | Bcl-X; BCL-XL/S; BCL2L; BCLX; PPP1R52 |
| **Locus ID:** | 598 |
| **UniProt ID:** | Q07817, Q07817-1, A0A0S2Z3C5 |

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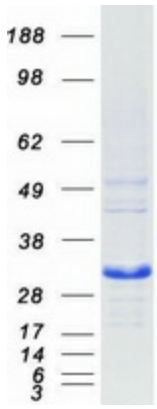
**Cytogenetics:** 20q11.21

**Summary:** The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform acts as an apoptotic inhibitor and the shorter isoform acts as an apoptotic activator. [provided by RefSeq, Dec 2015]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Amyotrophic lateral sclerosis (ALS), Apoptosis, Chronic myeloid leukemia, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer, Small cell lung cancer

## Product images:




Coomassie blue staining of purified BCL2L1 protein (Cat# [TP301314]). The protein was produced from HEK293T cells transfected with BCL2L1 cDNA clone (Cat# [RC201314]) using MegaTran 2.0 (Cat# [TT210002]).