

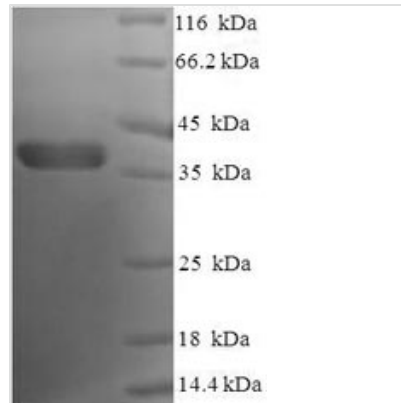


# Recombinant Human Bcl-2-like protein 1 (BCL2L1), partial

|                          |  |
|--------------------------|--|
| <b>Product Code</b>      | CSB-EP002613HU   |
| <b>Relevance</b>         | Potent inhibitor of cell death. Inhibits activation of caspases. Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial mbrane. Also acts as a regulator of G2 checkpoint and progression to cytokinesis during mitosis. Isoform Bcl-X(L) also regulates presynaptic plasticity, including neurotransmitter release and recovery, number of axonal mitochondria as well as size and number of synaptic vesicle clusters. During synaptic stimulation, increases ATP availability from mitochondria through regulation of mitochondrial mbrane ATP synthase F1F0 activity and regulates endocytic vesicle retrieval in hippocampal neurons through association with DMN1L and stimulation of its GTPase activity in synaptic vesicles. Isoform Bcl-X(S) promotes apoptosis. |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  |
| <b>Uniprot No.</b>       | Q07817   |
| <b>Storage Buffer</b>    | Tris-based buffer, 50% glycerol  |
| <b>Alias</b>             | Apoptosis regulator Bcl-X  |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Species</b>           | Homo sapiens (Human)   |
| <b>Purity</b>            | Greater than 90% as determined by SDS-PAGE.  |
| <b>Sequence</b>          | MSQSNRELVVDFLSYKLSQKGYSSWSQFSDVEENRTEAPEGTESEMETPSAIN<br>GNPSWHLADSPAVNGATGHSSSLDAREVIPMAAVKQALREAGDEFELRYRRA<br>FSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDK<br>EMQVLVSRIAAMATYLNHLEPWIQENGGWDTFVELYGNNAAESRKGQE<br>R  |
| <b>Research Area</b>     | Cancer   |
| <b>Source</b>            | E.coli   |
| <b>Gene Names</b>        | BCL2L1   |
| <b>Expression Region</b> | 1-209aa  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | N-terminal 6xHis-SUMO-tagged   |
| <b>Mol. Weight</b>       | 39.4kDa  |

**Protein Description**

Partial

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.