

Recombinant Mouse BCL2-like 1 Protein, His tagged

Cat. No. Bcl2l1-202M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse BCL2L1 protein (Q64373-1) (Met 1-Arg 209) with a His tag at the C-terminus was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-209aa
Description	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 membrane. 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 membrane 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. May attenuate inflammation impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release.
Tag	C-His
Molecular Mass	25.1 kDa

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

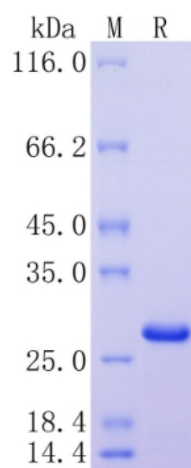
Gene Name	Bcl2l1 BCL2-like 1 [Mus musculus (house mouse)]
Official Symbol	Bcl2l1
Synonyms	BCL2L1; BCL2-like 1; bcl-2-like protein 1; bcl2-L-1; apoptosis regulator Bcl-X; B-cell leukemia/lymphoma x; anti-apoptosis regulatory protein; BclX; Bcl2l; bcl-x; Bcl-XL; Bcl-Xs; Bcl(X)L; MGC99998; MGC113803;
Gene ID	12048
mRNA Refseq	NM_009743
Protein Refseq	NP_033873
UniProt ID	Q64373

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**Protein on SDS-
PAGE under
reducing (R)
condition.**



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