Recombinant Mouse Bcl2 protein, His & T7-tagged

Cat. No. Bcl2-7661M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bcl2 aa. (Ala2~Asp208 (Accession # P10417)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala2~Asp208
Description	This gene encodes a member of the B cell lymphoma 2 protein family. Members of this family regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in numerous tissues. Alternate splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.2kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	Bcl2 B cell leukemia/lymphoma 2 [Mus musculus (house mouse)]
Official Symbol	Bcl2
Synonyms	Bcl-2; AW986256; C430015F12Rik; D630044D05Rik; D830018M01Rik; apoptosis regulator Bcl-2
Gene ID	12043
mRNA Refseq	NM_009741.5

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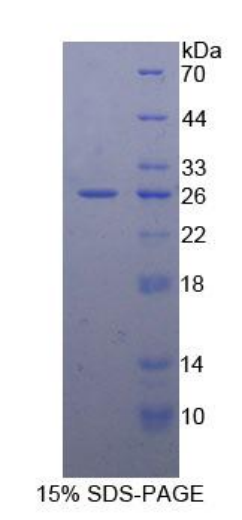
Protein Refseq	NP_033871.2
UniProt ID	P10417
SDS-PAGE	

15% SDS-PAGE

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