



Recombinant Protein Technical Manual

Recombinant Human BCL2L1/Bcl-XL Protein (His Tag)

RPES4389

Product Data:

Product SKU: RPES4389

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q07817

Protein Information:

Molecular Mass: 24.85 kDa

AP Molecular Mass: 29 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM HEPES, 50mM KCl, 20% Glycerol, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Bcl-2-Like Protein 1; Bcl2-L; Apoptosis Regulator Bcl-X; Bcl-X;bcl-xL;BCL-XL/S;bcl-xS;BCL2L;BCLX;BCLXL;BCLXS;PPP1R52

Immunogen Information:

Sequence: Met1-Arg212

Background:

Bcl-2-Like Protein 1 (BCL2L1) is a member of the Bcl-2 family. BCL2L1 is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes. BCL2L1 is a mitochondrial membrane protein. BCL2L1 contains four motifs, BH1, BH2 and BH4. The BH4 motif is required for anti-apoptotic activity. The BH1 and BH2 motifs are required for both heterodimerization with other Bcl-2 family members and for repression of cell death. BCL2L1 regulates cell death by blocking the voltage-dependent anion channel (VDAC) and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. In addition, BCL2L1 promotes apoptosis.