Recombinant Protein Technical Manual

Recombinant Human BCL-W/BCL2L2 Protein (His Tag)

RPES3400

Product Data:

Product SKU: RPES3400

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q92843

Protein Information:

Molecular Mass: 19.9 kDa

AP Molecular Mass: 18 kDa

Tag: C-6His

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/gel packs. Upon receipt, store it immediately at<-20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 25mM HEPES, 100mM KCl, 20% Glycerol, pH 7.5.

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

Application:

Synonyms: Bcl-2-Like Protein 2; Bcl2-L-2; Apoptosis Regulator Bcl-W; BCL2L2; BCLW; KIAA0271

Immunogen Information:

Sequence: Ala2-Thr172

Background:

Bcl-2-like protein 2 (BCL2L2) belongs to the Bcl-2 family. BCL2L2 is highly expressed in thebrain, spinal cord, testis, pancreas, heart, spleen, and mammary glands. BCL2L2 is a peripheral membrane protein containing three motifs, BH1, BH2 and BH4. The BH4 motif appears to be involved in the anti-apoptotic function. The BH1 and BH2 motifs form a hydrophobic groove which acts as a docking site for the BH3 domain of some pro-apoptotic proteins. BCL2L2 promotes cell survival and blocks dexamethasone-induced apoptosis. Furthermore, BCL2L2 mediates survival of postmitotic Sertoli cells by suppressing death-promoting activity of BAX.