

32-8872: Recombinant Human Apoptosis Regulator Bcl-2 (C-6His)(Discontinued)

Gene : BCL2
Gene ID : 596
Uniprot ID : P10415

Description

Source: E.coli.
MW :24.1kD.

Recombinant Human Apoptosis Regulator Bcl-2 is produced by our E.coli expression system and the target gene encoding Met1-Asp211 is expressed with a 6His tag at the C-terminus. Bcl-2 is a member of a family of proteins that regulates outer mitochondrial membrane permeability. Bcl-2 is an antiapoptotic member that prevents release of cytochrome c from the mitochondria intermembrane space into the cytosol. Bcl-2 is present on the outer mitochondrial membrane and is also found on other membranes in some cell types. BCL-2 is localized to the outer membrane of mitochondria, where it plays an important role in promoting cellular survival and inhibiting the actions of pro-apoptotic proteins. The pro-apoptotic proteins in the BCL-2 family, including Bax and Bak, normally act on the mitochondrial membrane to promote permeabilization and release of cytochrome C and ROS, that are important signals in the apoptosis cascade. These pro-apoptotic proteins are in turn activated by BH3-only proteins, and are inhibited by the function of BCL-2 and its relative BCL-XL.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, 10%Glycerol, pH8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MAHAGRTGYDNREIVMKYIHYKLSQRGYEWDAAGDVGAAAPGAAPAGIFSSQPGHTPHPAASRDVPVARTSPL
QTPAAPGAAAGPALSPVPPVVHLTLRQAGDDFSRRYRRDFAEMSSQLHLPFTARGRFATVVEELFRDGVNW
GRIVAFFEFGGVMCVESVNREMSPLVDNIALWMTEYLNRLHHTWIQDNGGWDAFVELYGPSMRPLFDHHHH
HH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.