



**Catalog Number:** PR27252

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MGSHMAKQPS DVSSECDREG RQLQPAERPP QLRPGAPTSL QTEPQDRSPA PMSCDKSTQT PSPPCQAFNH YLSAMASMRQ AEPADMRPEI WIAQELRRIG DEFNAYYARR VFLNNYQAAE DHPRMVILRL LRYIVRLVWR MH.

**Description/Molecular Mass:** Bcl-2-like protein 11 (BCL2L11) is a member of the Bcl-2 family and contains a Bcl-2 homology domain 3 (BH3). BCL2L11 expression can be stimulated by nerve growth factor (NGF), in addition to the forkhead transcription factor (FKHR-L1) which proposes a role of the BCL2L11 gene in neuronal and lymphocyte apoptosis. BCL2L11 interacts with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and acts as an apoptotic activator. BimEL, BimL and BimS are the main isoforms which are ubiquitously expressed with a tissue-specific variation. The Isoform Bim-gamma, on the other hand, is most abundantly expressed in the small intestine and colon, and in lower levels in spleen, prostate, testis, heart, liver and kidney.

BCL2L11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 162 amino acids (1-138 a.a) and having a molecular mass of 18.5kDa. BCL2L11 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Purity:** Greater than 80.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** BCL2L11 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 2M Urea, 20% glycerol, 5mM DTT and 300mM NaCl.

**Storage:** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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Neuromics • 5325 West 74<sup>th</sup> Street, Suite 8 • Edina, MN 55439  
phone 866-350-1500 • fax 612-677-3976 • e-mail [pshuster@neuromics.com](mailto:pshuster@neuromics.com)