Data Sheet (Cat.No.TMPY-03974)

TargetMol

Bim Protein, Human, Recombinant (His)

General Information

Synonyms:	BAM;BCL2-like 11 (apoptosis facilitator);BIM;BOD
Protein Construction:	A DNA sequence encoding the human BCL2L11 (NP_006529.1) (Ala2-Arg120) was expressed with a polyhistide tag at the N-terminus. Predicted N terminal: Met
Species:	Human
Expression Host:	E. coli
Accession:	O43521-2
Molecular Weight:	15 kDa (predicted)

QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 50 mM Tris, 10% Glycerol, pH 8.0.Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

In general, Lyophilized powders are shipping with blue ice.

Protein Background

BCL2L11, also known as Bim, belongs to the BCL-2 protein family. Members of this family form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. BCL2L11 contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and to act as an apoptotic activator. BCL2L11 gene functions as an essential initiator of apoptosis in thymocyte-negative selection.

Reference

Day Catherine L. et al., 2004, Biochem J. 377 (3): 597-605.
Murray S. et al., 2001, Cytogenet Cell Genet. 92 (3-4): 353.
Hsu SY. et al., 1998,Mol Endocrinol. 12 (9): 1432-40.

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