Recombinant human BCL2L10 protein

Catalog Number: ATGP1857

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-172aa

UniProt No.
Q9HD36

NCBI Accession No.
NP_065129

Alternative Names
Bcl-2-like protein 10, BCL-B, Boo, Diva

PRODUCT SPECIFICATION

Molecular Weight
21.8 kDa (195aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl,20% glycerol, 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
BCL2L10 belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. BCL2L10 contains conserved BH4, BH1 and BH2 domains. This protein can interact with other members of BCL-2 protein family including BCL2, BCL2L1/BCL-X (L), and BAX. Overexpression of this protein has been shown to suppress cell apoptosis possibly through the prevention of cytochrome C release from the mitochondria, and thus activating caspase-3 activation. Recombinant human BCL2L10 protein, fused to His-tag at N-terminus, was expressed in E.

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coli and purified by using conventional chromatography techniques.

Amino acid Sequence

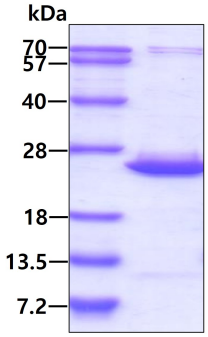
<MGSSHHHHHH SSGLVPRGSH MGS>MVDQLRE RTTMADPLRE RTELLLADYL GYCAREPGTP EPAPSTPEAA VLRSAAARLR QIHRSFFSAY LGYPGNRFEL VALMADSVLS DSPGPTWGRV VTLVTFAGTL LERGPLVTAR WKKWGFQPRL KEQEGDVARD CQRLVALLSS RLMGQHRAWL QAQGGWDGFC HFFRT

General References

Kang Y, Lee DC, et al. (2007). Biochem Biophys Res Commun. 359(1):76-82.
Guillemin Y, Lalle P, et al. (2009). J Mol Med (Berl). 87(9):923-40.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.