

Recombinant human MAP1/MOAP1 protein

Catalog Number: ATGP2404

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-351aa

UniProt No.

Q96BY2

NCBI Accession No.

NP_071434

Alternative Names

Modulator of apoptosis 1, MAP-1, PNMA4, Paraneoplastic antigen Ma4

PRODUCT SPECIFICATION

Molecular Weight

41.9 kDa (374aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

Modulator of apoptosis 1, also known as MOAP1, belongs to the PNMA family and contains one BH3-like domain and one RASSF1-binding domain. It is required for death receptor-dependent apoptosis. MOAP1 homodimerizes and associates with the proapoptotic Bax and the prosurvival Bcl-2 and Bcl-X (L) of the Bcl-2 family in vitro and in vivo in mammalian cells. These data suggest that MOAP1 mediates apoptosis through a mechanism that involves binding to Bax. Recombinant human MOAP1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

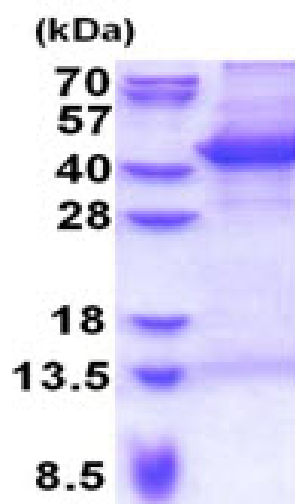
MGSSHHHHHH SSGLVPRGSH MGSMTLRLLD DWCRGMDMNP RKALLIAGIS QSCSVAEIEE ALQAGLAPLG EYRLLGRMFR
RDENRKVALV GLTAETSHAL VPKEIPGKGG IWRVIFKPPD PDNTFLSRLN EFLAGEGMTV GELSRLGHE NGSLDPEQGM
IPEMWAPMLA QALEALQPAL QCLKYKKLRV FSGRESPEPG EEEFGRWMFH TTQMIKAWQV PDVEKRRRLD ESLRGPALDV
IRVLKINNPL ITVDECLQAL EEVFGVTDNP RELQVKYLT YQKDEEKLSA YVLRLEPLLQ KLVQRGAIER DAVNQARLDQ
VIAGAVHKTI RRELNLPELG PAPGFLQLLV LIKDYEAEE EEALLQAILE GNFT

General References

Baksh S., et al. (2005) Mol Cell. 18:637-650.
Tan K O., et al. (2001) J Biol Chem. 276:2802-2807.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)