

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

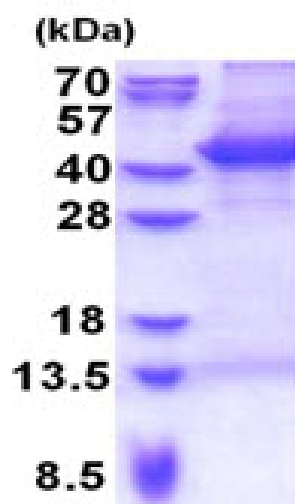
MGSSHHHHHHH SSGLVPRGSH MGSMTLRLLLE DWCRGMDMNP RKALLIAGIS QSCSVAEIEE ALQAGLAPLG EYRLLGRMFR
RDENRKVALV GLTAETSHAL VPKEIPGKGG IWRVIFKPPD PDNTFLSRLN EFLAGEGMTV GELSRALGHE NGSLDPEQGM
IPEMWAPMLA QALEALQPAL QCLKYKCLR V FSGRESPEPG EEEFGRWMFH TTQMIKAWQV PDVEKRRRLL ESLRGPALDV
IRVLKINNPL ITVDECLQAL EEVFGVTDNP RELQVKYLT YQKDEEKL SA YVLRLEPLLQ KLVQRGAIER DAVNQARLDQ
VIAGAVHKTI RRELNLPEDG PAPGFLQLLV LIKDYEAAEE 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)