Recombinant Human modulator of apoptosis 1, His-tagged

Cat. No. MOAP1-321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MOAP1, 1-351aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-351 a.a.
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	41.9 kDa (374aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTLRLLE DWCRGMDMNP RKALLIAGIS QSCSVAEIEE ALQAGLAPLG EYRLLGRMFR RDENRKVALV GLTAETSHAL VPKEIPGKGG IWRVIFKPPD PDNTFLSRLN EFLAGEGMTV GELSRALGHE NGSLDPEQGM IPEMWAPMLA QALEALQPAL QCLKYKKLRV FSGRESPEPG EEEFGRWMFH TTQMIKAWQV PDVEKRRRLL ESLRGPALDV IRVLKINNPL

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	ITVDECLQAL EEVFGVTDNP RELQVKYLTT YQKDEEKLSA YVLRLEPLLQ KLVQRGAIER DAVNQARLDQ VIAGAVHKTI RRELNLPEDG PAPGFLQLLV LIKDYEAAEE EEALLQAILE GNFT
Purity	>85% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	MOAP1 modulator of apoptosis 1 [Homo sapiens]
Official Symbol	MOAP1
Synonyms	MOAP1; modulator of apoptosis 1; MAP 1; paraneoplastic Ma antigen family member 4; PNMA4; MAP1; paraneoplastic antigen Ma4; paraneoplastic antigen like 4; MAP-1;
Gene ID	64112
mRNA Refseq	NM_022151
Protein Refseq	NP_071434
MIM	609485
UniProt ID	Q96BY2
Chromosome Location	14q32.12

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Function	protein binding; protein homodimerization activity;

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