

**MOAP1, 1-351aa, Human, His tag, E.coli**

**Cat.NO.: TP03001**

3th Edition

**Synonyms:**Modulator of apoptosis 1, MAP-1, PNMA4

**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 Weight:**41.9 kDa (374aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMTRLRLEDWCRGMDMNPRKALLIAGISQSCSVAEIEEALQAGLAPLGEYRLL  
GRMFRRDENRKVALVGLTAETSHALVPKEIPGKGGIWRVIFKPPDPDNTFLSRLNEFLAGEGMTVGELSRALGHEN  
GSLDPEQGMIPEMWAPMLAQALEALQPALQCLKYKCLRVSFSGRESPEPGEIEFGRWMFHTTQMIKAWQVPDVEK  
RRRLLESLRGPALDVIRVLKINNPLITVDECLQALEEVFGVTDNPRELQVKYLTITYQKDEEKLSAYVLRLEPLLQKLV  
QRGAIERDAVNQARLDQVIAGAVHKTIRRELNLPEDGPAPGFLQLLVLIKDYEAEEEEALLQAILEGNFT

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.