

Recombinant Human APAF1 Interacting Protein, His-tagged

Cat. No. APIP-6855H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human APIP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-242aa
Description	APIP catalyzes the dehydration of methylthioribulose-1-phosphate into 2,3-diketo-5-methylthiopentyl-1-phosphate. It has an anti-apoptotic function and prevents muscle ischemic damage. This protein inhibits the cytochrome c-dependent and APAF1-mediated cell death.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 1mM DTT.
Molecular Mass	29.7 kDa (266aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSGCDA REGDCCSRRC GAQDKEHPRY LIPELCKQFY HLGWVTGTGG GISLKHGDEI YIAPSGVQKE RIQPEDMFVC DINEKDISGP SPSKKLKKSQ CTPLFMNAYT MRGAGAVIHT HSKAAVMATL LFPGREFKIT HQEMIKGIKK CTSGGYRYD DMLVPIIEN TPEEKDLKDR MAHAMNEYPD SCAVLVRRHG VYVWGETWEK AKTMCECYDY LFDIAVSMKK VGLDPSQLPV GENGIV

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -76°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	APIP APAF1 interacting protein [Homo sapiens]
Official Symbol	APIP
Synonyms	APIP; APAF1 interacting protein; probable methylthioribulose-1-phosphate dehydratase; APIP2; CGI 29; Mmrp19; MTRu-1-P dehydratase; APAF1-interacting protein; CGI29; CGI-29; MMRP19; dJ179L10.2;
Gene ID	51074
mRNA Refseq	NM_015957
Protein Refseq	NP_057041
MIM	612491
UniProt ID	Q96GX9
Chromosome Location	11p13

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Pathway

Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Metabolism of polyamines, organism-specific biosystem; Methionine salvage pathway, organism-specific biosystem;

Function

identical protein binding; ion binding; lyase activity; metal ion binding; methylthioribulose 1-phosphate dehydratase activity; protein binding;

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