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## **Recombinant human APIP protein**

Catalog Number: ATGP1614

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-242aa

#### **UniProt No.**

096GX9

#### **NCBI Accession No.**

NP 057041

#### **Alternative Names**

Probable methylthioribulose-1-phosphate dehydratase, APIP2, CGI-29, CGI29, dJ179L10.2, MMRP19

### **PRODUCT SPECIFICATION**

### **Molecular Weight**

29.7 kDa (266aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

## **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**

APIP, also known as probable methylthioribulose-1-phosphate dehydratase, catalyzes the dehydration of methylthioribulose-1-phosphate (MTRu-1-P) into 2, 3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P). It has an anti-apoptotic function and prevents muscle ischemic damage. This protein inhibits the cytochrome c-dependent and APAF1-mediated cell death. Recombinant human APIP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.



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## **Amino acid Sequence**

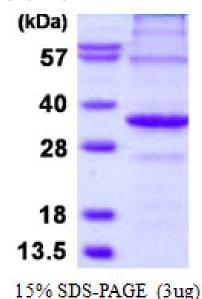
MGSSHHHHHH SSGLVPRGSH MGSHMSGCDA REGDCCSRRC GAQDKEHPRY LIPELCKQFY HLGWVTGTGG GISLKHGDEI YIAPSGVQKE RIQPEDMFVC DINEKDISGP SPSKKLKKSQ CTPLFMNAYT MRGAGAVIHT HSKAAVMATL LFPGREFKIT HQEMIKGIKK CTSGGYYRYD DMLVVPIIEN TPEEKDLKDR MAHAMNEYPD SCAVLVRRHG VYVWGETWEK AKTMCECYDY LFDIAVSMKK VGLDPSQLPV GENGIV

## **General References**

Cho D.-H., et al. (2004) J. Biol. Chem. 279:39942-39950 Lai C.-H., et al. (2000) Genome Res. 10:703-713

## **DATA**





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

