
Product Data Sheet

Product Name: APIP Human
 Cat. No.: GP22743
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	APAF1 interacting protein; CGI-29; APIP2; Mmrp19; APAF1-interacting protein; MTRu-1-P dehydratase; probable methylthioribulose-1-phosphate dehydratase; CGI29; EC 4.2.1.109; dj179L10.2; MMRP19.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSGCDA REGDCCSRRC GAQDKEHPRY LIPELCKQFY HLGWVTGTGG GISLKHGDEI YIAPSGVQKE RIQPEDMFVC DINEKDISGP SPSKCLKKSQ CTPLFMNAYT MRGAGAVIHT HSKAAVMATL LFPGREFKIT HQEMIKGIKK CTSGGYRYD DMLVVPIIEN TPEEKDLKDR MAHAMNEYPD SCAVLVRRHG VYVWGETWEK AKTMCECYDY LFDIAVSMKK VGLDPSQLPV GENGIV		
Formulation	The APIP solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.		

Introduction

APIP catalyzes the dehydration of methylthioribulose-1-phosphate (MTRu-1-P) into 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P). APIP has an anti-apoptotic function and inhibits muscle ischemic impairment. APIP inhibits the cytochrome c-dependent and APAF1-mediated cell death.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

APIP Human Recombinant produced E. coli is a single polypeptide chain containing 266 amino acids (1-242) and having a molecular mass of 29.7kDa. APIP is fused to a 24

Caution: Product has not been fully validated for medical applications. For research use only.

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amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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