

APIP Human

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

Catalog #: PRPS-1193

For research use only.

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, dJ1179L10.2, MMRP19.

Source: E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMSGCDA REGDCCSRRC
GAQDKEHPRY LIPELCKQFY HLGWVTGTGG GISLKHGDEI YIAPSGVQKE RIQPEDMFVC
DINEKDISGP SPSKKLKKSQ CTPLFMNAYT MRGAGAVIHT HSKAAVMATL LFPGREFKIT
HQEMIKGIKK CTSGGYRYD DMLVPIIEN TPEEKDLKDR MAHAMNEYPD SCAVLVRRHG
VYVWGETWEK AK

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:

The APIP solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 20% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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