

Datasheet for ABIN7556333  
**APIP Protein (AA 1-241) (His tag)**



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## Overview

Quantity:	1 mg
Target:	APIP
Protein Characteristics:	AA 1-241
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APIP protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Apip Protein expressed in mammalien cells.
Sequence:	<p>MSGCQAQGDC CSRPCGAQDK EHPRFLIPEL CKQFYHLGWV TGTGGGSLK HGNEIYIAPS            GVQKERIQPE DMFVCDINEQ DISGPPASKK LKKSQCTPLF MNAYTMRGAG AVIHTHSCAA            VMATLLFPGQ EFKITHQEMI KGIRKCTSGG YYRYDDMLVV PIIENTPEEK DLKERMAHAM            NEYPDSCAVL VRRHGVYVWG ETWEKAKTMC ECYDYLFDA VSMKKMGLDP TQLPVGENG I V</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary.</b></p> <p><b>In case you have a special request, please contact us.</b></p>
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and</li> </ul>

## Product Details

transmembrane proteins.

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

## Target Details

Target:	APIP
Alternative Name:	Apip ( <a href="#">APIP Products</a> )
Background:	Methylthioribulose-1-phosphate dehydratase (MTRu-1-P dehydratase) (EC 4.2.1.109) (APAF1-interacting protein) (Monocyte/macrophage protein 19),FUNCTION: Catalyzes the dehydration of methylthioribulose-1-phosphate (MTRu-1-P) into 2,3-diketo-5-methylthiopentyl-1-phosphate (DK-MTP-1-P). Functions in the methionine salvage pathway, which plays a key role in cancer, apoptosis, microbial proliferation and inflammation. May inhibit the CASP1-related inflammatory response (pyroptosis), the CASP9-dependent apoptotic pathway and the cytochrome c-dependent and APAF1-mediated cell death. {ECO:0000255 HAMAP-Rule:MF_03116, ECO:0000269 PubMed:15262985, ECO:0000269 PubMed:17086211}.
Molecular Weight:	26.9 kDa
UniProt:	<a href="#">Q9WVQ5</a>
Pathways:	<a href="#">Methionine Biosynthetic Process</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a
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Application Details

	guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months