

Datasheet for ABIN7197005 **METAP1 Protein (Fc Tag)**

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Overview

Quantity:	50 µg
Target:	METAP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This METAP1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human METAP1 Protein (Fc Tag)
Sequence:	Met 1-Phe 272
Characteristics:	A DNA sequence encoding the N-terminal domain (Met 1-Phe 272) of human METAP1 (NP_055958.2) was fused with the Fc region of human IgG1 at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	METAP1
Alternative Name:	METAP1 (METAP1 Products)
Background:	Background: Processing of the N-terminal initiator methionine or formylated methionine is an essential cellular process conserved from prokaryotes to eukaryotes. The proteolytic removal of N-terminal methionine from nascent peptides is catalyzed by a family of enzymes known as

Target Details

methionine aminopeptidases (MetAPs) and is essential for cell growth. METAP1 and METAP2 have different substrate specificity due to the differences in both size and shape of the active sites. As a member of the M24 family of metalloproteases, METAP1 plays an important role in G(2)/M phase regulation of the cell cycle and may serve as a promising target for the discovery and development of new anticancer agents.

Synonym: Methionine aminopeptidase 1, MAP 1, MetAP 1, Peptidase M 1, METAP1,MAP1A,MetAP1A

Molecular Weight: 57 kDa

NCBI Accession: [NP_055958](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.