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Datasheet for ABIN5608409  
**AIMP1 Protein (partial) (His tag)**

### Overview

Quantity:	100 µg
Target:	AIMP1
Protein Characteristics:	partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AIMP1 protein is labelled with His tag.
Application:	Western Blotting (WB)

### Product Details

Sequence:	Ala 2 - Lys 312
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Endotoxin level is less than 1.0 EU per ug by the LAL method.

### Target Details

Target:	AIMP1
Alternative Name:	AIMP1 ( <a href="#">AIMP1 Products</a> )
Background:	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (AIMP1) is also known as multisynthase complex auxiliary component p43 and endothelial monocyte-activating polypeptide II (EMAP-II). AIMP1 is a cytokine that may be induced by apoptosis and is also released from professional antigen-presenting cells such as dendritic cells. The release of

## Target Details

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AIMP1 renders the tumor-associated vasculature sensitive to tumor necrosis factor. Furthermore, AIMP1 binds tRNA and stimulates the catalytic activity of cytoplasmic arginyl-tRNA synthase. This protein possesses inflammatory cytokine activity. Also, AIMP1 negatively regulates TGF-beta signaling through stabilization of SMURF2 by binding to SMURF2 and inhibiting its SMAD7-mediated degradation.

Molecular Weight: 35.2 kDa

Gene ID: 9255

NCBI Accession: [NP\\_004748](#)

## Application Details

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Application Notes: This recombinant protein can be used for WB.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.