

## Active Recombinant Human AIMP1 protein, His-tagged

Cat. No. AIMP1-345H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AIMP1 protein(NP_004748.2) (Ala 2-Lys 312) was expressed in E. coli, with a polyhistidine tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>ProteinLength</b>	2-312 aa
<b>Form</b>	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol (pH 8.0).
<b>Bio-activity</b>	Immobilized Human EMAP-II, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-EMAP-II Antibody, hFc Tag with the EC50 of 0.20ug/ml determined by ELISA.
<b>Molecular Mass</b>	The protein has a predicted MW of 35.4 kDa. The protein migrates to 40-45 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw

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cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name**

[AIMP1 aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 \[ Homo sapiens \]](#)

**Official Symbol**

[AIMP1](#)

**Synonyms**

AIMP1; aminoacyl tRNA synthetase complex-interacting multifunctional protein 1; SCYE1, small inducible cytokine subfamily E, member 1 (endothelial monocyte activating); aminoacyl tRNA synthase complex-interacting multifunctional protein 1; ARS interacting multifunctional protein 1; EMAP II; EMAP 2; EMAPII; p43; ARS-interacting multifunctional protein 1; endothelial monocyte-activating polypeptide 2; multisynthase complex auxiliary component p43; endothelial-monocyte activating polypeptide II; multisynthetase complex auxiliary component p43; small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating); HLD3; EMAP2; SCYE1;

**Gene ID**

[9255](#)

**mRNA Refseq**

[NM\\_001142415](#)

**Protein Refseq**

[NP\\_001135887](#)

**MIM**

[603605](#)

**UniProt ID**

[Q12904](#)

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