

Recombinant Human AIMP1, His-tagged

Cat. No. AIMP1-940H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human AIMP1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 39.2 kDa (356aa).
Species	Human
Source	E.coli
Description	AIMP1, also known as EMPA2 or p43, is a cytokine that is specifically induced by apoptosis, and it is involved in the control of angiogenesis, inflammation, and wound healing. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. This protein is also involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol.
Purity	> 85% by SDS - PAGE.
Concentration	0.25 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHH SSGLVPRGSH MLPAAVAVSEP VVLRFMIFCR LLAKMANNDA VLKRLEQKGA EADQIIEYLK QQVSLLEKA ILQATLREEK KLRVENAKLK KEIEELKQEL IQAEIQNGVK QIPFPGTPL HANSMVSENV IQSTAVTTVS SGTKEQIKGG TGDEKKAKEK IEKKGEKKEK KQQSIAGSAD SKPIDVSRLD

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEQMQRNM
VILLCNLKPA KMRGVLSQAM VMCASSPEKI EILAPPNGSV PGDRITFDAF
PGEPDKELNP KKKIWEQIQP DLHTNDECVA TYKGVPFVEVK GKGVCRAQTM
SNSGIK.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

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

Synonyms

SCYE1; AIMP1; EMAP II; EMAP-2; EMAP-II; EMAP2; EMAPII; p43; small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating); small inducible cytokine subfamily E, member 1; OTTHUMP00000161878; ARS-interacting multifunctional protein 1; endothelial monocyte-activating polypeptide 2; endothelial-monocyte activating polypeptide II; multisynthetase complex auxiliary component p43

Gene ID

[9255](#)

mRNA Refseq

[NM_001142415](#)

Protein Refseq

[NP_001135887](#)

MIM

[603605](#)

UniProt ID

[Q12904](#)

**Chromosome
Location**

4q2

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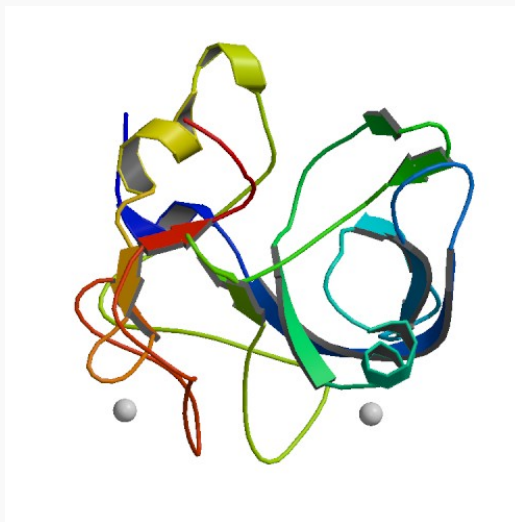
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Function

cell surface binding; cytokine activity; protein binding; protein homodimerization activity; tRNA binding

PDB rendering based on 1e7z. Available structures 1e7z, 1euj, 1fl0



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