

Product information



AIMP1, 1-336 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0852

Full Name: Aminoacyl tRNA synthase complex-interacting multifunctional protein 1

Synonyms: EMAP2, EMAPII, p43, SCYE1

NCBI Accession No.: NP_001135888

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. Recombinant human AIMP1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol</p> <p>Molecular Weight: 39.2 kDa (356aa), confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by BCA assay)</p>	<p>(KDa) 70 57 40 28 18</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSGLVPRGSH MLPAAVAVSEP VVLRFMIFCR LLAKMANNDA VLKRLEQKGA EADQII EYLYK QQVSLLEKEA ILQATLREEK KLRVENAKLK KEIEELKQEL IQAEIQNGVK QIPFPGTPL HANSMVSENV IQSTAVTTVS SGTKEQIKGG TGDEKKAKEK IEKKGEKKEK KQQSIAGSAD SKPIDVSRDL LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEMQNRM VILLCNLKPA KMRGVLSQAM VMCASSPEKI EILAPPNGSV PGDRITFADF PGEPAKELNP KKKIWEQIQP DLHTNDECVA TYKGVPEVK GKGVCRQAQTM SNSGIK</p>	

General references:

Zhu X., *et al.* (2009) *Proc Natl Acad Sci U S A.* 106(37):15944-9.

Kim E., *et al.* (2008) *J Immunol.* 180(5):2894-902.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



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.

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