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AIMP1 Human

Description: AIMP1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 356 amino acids (1-336 a.a.) and having a molecular mass of 39.2kDa (Molecular size on SDS-PAGE will appear higher). The AIMP1 is purified by proprietary chromatographic techniques.

Catalog #: CYPS-028

For research use only.

Synonyms: Aminoacyl tRNA synthase complex-interacting multifunctional protein 1, Multisynthase complex auxiliary component p43, AIMP1, EMAP2, SCYE1, p43, EMAPII.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MLPAVAVSEP VVLRFMIFCR LLAKMANNDA VLKRLEQKGA EADQIIEYLK QQVSLLKEKA ILQATLREEK KLRVENAKLK KEIEELKQEL IQAEIQNGVK QIPFPSGTPL HANSMVSENV IQSTAVTTVS SGTKEQIKGG TGDEKKAKEK IEKKGEKKEK KQQSIAGSAD SKPIDVSRLD LRIGCIITAR KHPDADSLYV EEVDVGEIAP RT

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:
The AIMP1 solution (0.25 mg/ml) 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol.

Stability:
AIMP1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
AIMP1 (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 the AIMP1 cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. Furthermore, AIMP1 is involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells.

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