Recombinant Full Length Human AIMP1 Protein, N-His-tagged

Cat. No. AIMP1-18HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 (AIMP1), transcript variant 1, full length, with N-terminal HIS tag, expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene 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. The precursor protein is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex, and it modulates aminoacylation activity of tRNA synthetase in normal cells. This protein is also involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene has been identified on chromosome 20.
Form	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol.
Molecular Mass	34.2 kDa
AA Sequence	A DNA sequence encoding human full-length AIMP1
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade.
Concentration	>0.05 μg/μL as determined by microplate BCA method.
Use/Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name	AIMP1 aminoacyl tRNA synthetase complex interacting multifunctional protein 1 [Homo sapiens (human)]
Official Symbol	AIMP1
Synonyms	AIMP1; aminoacyl tRNA synthetase complex interacting multifunctional protein 1; EMAP2; EMAPII; HLD3; p43; SCYE1
Gene ID	9255
mRNA Refseq	NM_004757.4
Protein Refseq	NP_004748.2
MIM	603605
UniProt ID	Q12904

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