



# Recombinant Human Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (AIMP1)

<b>Product Code</b>	CSB-EP618638HU
<b>Abbreviation</b>	AIMP1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q12904
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	ANNDAVLKR LEQKGAEADQ IIEYLKQQVS LLKEKAILQA TLREEKLRV ENAKLKKEIE ELKQELIQAE IQNGVKQIPF PSGTPLHANS MVSENIQST AVTTVSSGTK EQIKGGTGDE KKAKEKIEKK GEKKEKKQQS IAGSADSKPI DVSRLDLRIG CIITARKHPD ADSLYVEEVD VGEIAPRTVV SGLVNHVPLE QMQNRMVILL CNLKPAKMRG VLSQAMVMCA SSPEKIEILA PPNGSVPGDR ITFDAFPGEK DKELNPKKKI WEQIQPDLHT NDECVATYKG VPFEVKGKGV CRAQTMSNSG IK
<b>Source</b>	E.coli
<b>Target Names</b>	AIMP1
<b>Protein Names</b>	Recommended name: Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 Alternative name(s): Multisynthase complex auxiliary component p43 Cleaved into the following chain: 1. Endothelial monocyte-activating polypeptide 2 S
<b>Expression Region</b>	2-312
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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