



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

Product Code	CSB-MP618638HU
Abbreviation	AIMP1
Storage	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.
Uniprot No.	Q12904
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	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 ITFDAFPGEP DKELNPKKKI WEQIQDLHT NDECVATYKG VPFEVKGKGV CRAQTMSNSG IK
Source	Mammalian cell
Target Names	AIMP1
Protein Names	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
Expression Region	2-312
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.

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.

Shelf Life

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