

Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (Aimp1) Recombinant Protein | Aimp1 recombinant protein

Recombinant Mouse Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (Aimp1)

CATALOG # AAA114402	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
------------------------	--

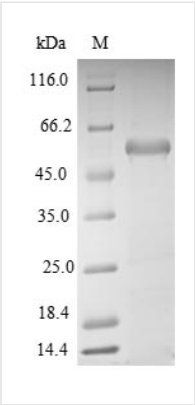
PRODUCT SYNONYMS

Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (Aimp1); Recombinant Mouse Aminoacyl tRNA synthase complex-interacting multifunctional protein 1 (Aimp1); Aminoacyl tRNA synthase complex-interacting multifunctional protein 1; Multisynthase complex auxiliary component p43Cleaved into the following chain:: 1. Endothelial monocyte-activating polypeptide 2; 2. EMAP-2; Endothelial monocyte-activating polypeptide; Aimp1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-310aa; Full Length
Sequence	ATNDAVLKRL EQKGAEADQI IEYLKQQVAL LKEKAILQAT MREEKKLRVE NAKLKKEIEE LKQELILAEI HNGVEQVRVR LSTPLQTNCT ASESVVQSPS VATTASPATK EQIKAGEEEK VKEKTEKKGE KKEKQQSAAA STDSKPIDAS RLDLRIGCIV TAKKHPDADS LYVEEVDVGE AAPRTVVSGL VNHVPLEMQ NRMVVLLCNL KPAKMRGVLS QAMVMCASSP EKVEILAPPN GSVPGDRITF DAFPGEPDKE LNPKKKIWEQ IQPDLHTNAE CVATYKGAPF EVKGKGCRA QTMANSIK
Sequence Length	309
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Aimp1 recombinant protein	Non-catalytic component of the multisynthase complex. Stimulates the catalytic activity of Cytoplasmic domain arginyl-tRNA synthase. Binds tRNA. Possesses inflammatory cytokine activity. Negatively regulates TGF-beta signaling through stabilization of SMURF2 by binding to SMURF2 and inhibiting its SMAD7-mediated degradation. Involved in glucose homeostasis through induction of glucagon secretion at low glucose levels. Promotes dermal fibroblast proliferation and wound repair. Regulates KDEL1-mediated retention of HSP90B1/gp96 in the endoplasmic reticulum. Plays a role in angiogenesis by inducing endothelial cell migration at low concentrations and endothelial cell apoptosis at high concentrations. Induces maturation of dendritic cells and monocyte cell adhesion. Modulates endothelial cell responses by degrading HIF-1A through interaction with PSMA7 (By similarity).
Product Categories/Family for Aimp1 recombinant protein	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	17379579
NCBI GeneID	13722
UniProt Accession #	P31230; Q60659
Molecular Weight	49.9 kDa
NCBI Official Full Name	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1
NCBI Official Synonym Full Names	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
NCBI Official Symbol	Aimp1
NCBI Official Synonym Symbols	p43; Emap2; Scye1; EMAPII; AIMP1/p43; 9830137A06Rik
NCBI Protein Information	aminoacyl tRNA synthase complex-interacting multifunctional protein 1; ARS inducible multifunctional protein 1; endothelial monocyte activating polypeptide 2; multisynthase complex auxiliary component p43; small inducible cytokine subfamily E, member 1; multisynthetase complex auxiliary component p43
UniProt Protein Name	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1
UniProt Gene Name	Aimp1
UniProt Synonym Gene Names	Emap2; Scye1; EMAP-2; EMAP-II
UniProt Entry Name	AIMP1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/aimp1-recombinant-protein-e-coli/114402>