

Recombinant Human Aminoacyl tRNA Synthetase Complex-interacting Multifunctional Protein 1, His-tagged

Cat. No. AIMP1-865G **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AIMP1 protein (Ala 2-Lys 312), fused with a His-tag at N-terminus, was expressed in <i>E.coli</i> .
Species	Human
Source	<i>E.coli</i>
ProteinLength	2-312 a.a.
Description	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1, also known as Multisynthase complex auxiliary component p43, Endothelial monocyte-activating polypeptide II, AIMP1, EMAP2 and SCYE1, is a nucleus protein which contains one tRNA-binding domain.
Molecular Mass	The recombinant human SCYE1 consisting of 318 amino acids and migrates as an 35 kDa band in SDS-PAGE under reducing conditions as predicted.
Sequences of amino acids	MANNDAVLKR LEQKGAEADQ IIEYLKQQVS LLKEKAILQA TLREEKKLRV ENAKLKKEIE ELKQELIQAE IQNGVKQIPF PSGTPLHANS MVSENVQST AVTTVSSGTK EQIKGGTGDE KKAKEKIEKK GEKKEKKQQS IAGSADSKPI DVSRLDLRIG CIITARKHPD ADSLYVEEVD VGEIAPRTVV SGLVNHVPLE QMQRNRMVILL CNLKPAKMVG VLSQAMVMCA SSPEKIEILA PPNGSVPGDR ITFDAFPGEF DKELNPKKKI WEQIQPD LHT NDECVATYKG VPFEVKGKGV CRAQTMSNSG IK

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Formulation	Lyophilized from sterile PBS , pH 7.4
Endotoxin	< 1.0 EU per 1µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Predicted N terminal	Met 1
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	AIMP1 aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 [Homo sapiens]
Synonyms	SCYE1; AIMP1; EMAP II; EMAP-2; EMAP-II; EMAP2; EMAPII; p43; small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating); small inducible cytokine subfamily E, member 1; OTTHUMP00000161878; ARS-interacting multifunctional protein 1; endothelial monocyte-activating polypeptide 2; endothelial-monocyte activating polypeptide II; multisynthetase complex auxiliary component p43
Gene ID	9255
mRNA Refseq	NM_001142415
Protein Refseq	NP_001135887
MIM	603605

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UniProt ID	Q12904
Chromosome Location	4q2
Function	cell surface binding; cytokine activity; protein binding; protein homodimerization activity; tRNA binding.
PDBrendering based on 1e7z. Available structures:1e7z,1euj,1fl 	