

Aminoacyl tRNA Synthetase Complex-Interacting Multifunctional Pro-

Item Number	rAP-0711
Synonyms	Aminoacyl tRNA synthase complex-interacting multifunctional protein 1, Multisynthase complex auxiliary component p43, AIMP1, EMAP2, SCYE1, p43, EMAPII.
Description	AIMP1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 356 amino acids (1-336 a.a.) and having a molecular mass of 39.2kDa (Molecular size on SDS-PAGE will appear higher). The AIMP1 is purified by proprietary
Uniprot Accession Number	Q12904
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MLPAAVAVSEP VVLRFMIFCR LLAKMANNDA VLKRLEQKGA EADQIIIEYLK QQVSLLEKA ILQATLREEK KLRVENAKLK KEIEELKQEL IQAEIQNGVK QIPFPSGTPL HANSMVSENV IQSTAVTTVS SGTKEQIKGG TGDEKKAKEK IEKKGEKKEK KQQSIAGSAD SKPIDVSRDL LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEQMQRNM VILLCNLKPA KMRGVLSQAM VMCASSPEKI EILAPPNGSV PGDRITFADF PGEPDKELNP KKKIWEQIQP
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.
Formulation and Purity	The AIMP1 solution (0.25mg/ml) 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**