

## Product datasheet for **AR09792PU-S**

### SCYE1 / EMAP2 (1-336, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SCYE1 / EMAP2 (1-336, His-tag) human recombinant protein, 10 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u><a href="#">MGSSHHHHHH SSGLVPRGSH</a></u> MLPAAVAVSEP VVLRFMIFCR LLAKMANNDA VLKRLEQKGA EADQII EYLK QQV SLLKEKA ILQATLREEK KLRVENAKLK KEIEELKQEL IQAEIQNGVK QIPFPGTPL HANSMVSENV IQSTAVTTVS SGTKEQIKGG TGDEKKAKEK IEKKGEKKEK KQQSIAGSAD SKPIDVSRLD LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEQMQRNM VILLCNLKPA KMRGVL SQAM VMCASSPEKI EILAPPNGSV PGDRITFADF PGEPDKELNP KKKIWEQIQP DLHTNDECVA TYKGV PFEVK GKGVCRAQTM SNSGIK
Tag:	His-tag
Predicted MW:	39.2 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 2 mM DTT, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SCYE1 / AIMP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u><a href="#">NP_001135887</a></u>
Locus ID:	9255
UniProt ID:	<u><a href="#">Q12904</a></u> , <u><a href="#">B4DNK3</a></u>
Cytogenetics:	4q24
Synonyms:	EMAP2; EMAPII; HLD3; p43; SCYE1



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**Summary:**

The protein encoded by this gene 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. [provided by RefSeq, Dec 2008]

**Protein Families:**

Druggable Genome

**Product images:**