

Product datasheet for AR09792PU-N

OriGene Technologies, Inc.

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

Product data:

Product Type: Recombinant Proteins

Description: SCYE1 / EMAP2 (1-336, His-tag) human recombinant protein, 50 μg

Species: Human E. coli **Expression Host:**

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MLPAVAVSEP VVLRFMIFCR LLAKMANNDA VLKRLEQKGA or AA Sequence: EADQIIEYLK QQVSLLKEKA ILQATLREEK KLRVENAKLK KEIEELKQEL IQAEIQNGVK QIPFPSGTPL

HANSMVSENV IQSTAVTTVS SGTKEQIKGG TGDEKKAKEK IEKKGEKKEK KQQSIAGSAD

SKPIDVSRLD LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEQMQNRM VILLCNLKPA

KMRGVLSQAM VMCASSPEKI EILAPPNGSV PGDRITFDAF PGEPDKELNP KKKIWEQIQP

DLHTNDECVA TYKGVPFEVK GKGVCRAQTM SNSGIK

Tag: His-tag Predicted MW: 39.2 kDa Concentration: lot specific >85% **Purity:**

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

Liquid purified protein Preparation:

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.

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001135887

9255 Locus ID:

UniProt ID: Q12904, B4DNK3

Cytogenetics: 4q24

Synonyms: EMAP2; EMAPII; HLD3; p43; SCYE1





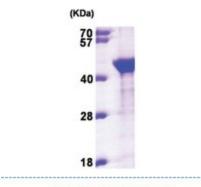
Summary:

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:



15% SDS-PAGE (3ug)