

Bioactive

SCYE1 (Human) Recombinant Protein

Catalog # P8558

Size 20 ug

Specification

Product Description	Human SCYE1 (Q12904) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	SKPIDVSRLDLRIGCIITARKHPDADSLYVEEVDVGEIAPRTVVSGLVNHPLEQMQRNVILLCNL KPAKMRGVLSQAMVMCASSPEKIEILAPPNGSVPGDRITFDAFPGEPAKELNPKKKIWEQIQPDL HTNDECVAITYKGVPFVKGKGVCRATMSNSGIK.
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	18.3
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 98% by HPLC and SDS PAGE
Activity	Determined by the apoptotic effect on MCF-7 cells using a concentration of 20-30 ng/mL.
Storage Buffer	Lyophilized from 20mM sodium Phosphate buffer (pH 7.5) and 130mM sodium chloride.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- Functional Study
- SDS-PAGE

Gene Info — SCYE1

Entrez GeneID [9255](#)

Protein Accession#	Q12904
Gene Name	SCYE1
Gene Alias	AIMP1, EMAP2, EMAPII, p43
Gene Description	small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating)
Omim ID	603605
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	ARS-interacting multifunctional protein 1 OTTHUMP00000161878 endothelial monocyte-activating polypeptide 2 endothelial-monocyte activating polypeptide II multisynthetase complex auxiliary component p43 small inducible cytokine subfamily E, member 1

Disease

- [Alcoholism](#)
- [Genetic Predisposition to Disease](#)