

Bioactive

Full-Length

SCYE1 (Human) Recombinant Protein

Catalog # P3601

Size 20 ug

Specification

Product Description	Human SCYE1 (Q12904, 1 a.a. - 312 a.a.) full-length recombinant protein. expressed in <i>Escherichia coli</i> .
Sequence	MANNDAVLKRLEQKGAEADQII EY LKQQV SLLKEKAILQATLREEKKLRVENAKLKKEIEELKQELI QAEIQNGVKQIPFPGTPLHANSMVSENIQSTAVTTVSSGTKEQIKGGTGDEKKAKEKIEKKGEK KEKKQQSIAGSADSKPIDVSRDLRIGCIITARKHPDADSLYEEVDVGEIAPRTVVSGLVNHVPLE QMQRNRMVILLCNLKPAMRGVLSQAMVMCASSPEKIEILAPPNGSVPGDRITFDAFPGEPAKELN PKKKIWEQIQPDLHTNDEC VATYKGV PF EVKGKGV CRAQTMSNSGIK
Host	Escherichia coli
Theoretical MW (kDa)	18
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED ₅₀ was determined by apoptotic effect on MCF-7 cells using a concentration of 10-50 ng/mL.
Storage Buffer	In 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0
Storage Instruction	Store at -20°C or below for 12 months.

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	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]
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

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