

#### OriGene Technologies, Inc.

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# Product datasheet for TP760983

### EMAP II (AIMP1) (NM\_004757) Human Recombinant Protein

## **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 (AIMP1), transcript variant 1, full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length AIMP1
Tag:	N-His
Predicted MW:	34.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP 004748</u>
Locus ID:	9255
UniProt ID:	<u>Q12904</u>
RefSeq Size:	3159
Cytogenetics:	4q24
RefSeq ORF:	936
Synonyms:	EMAP2; EMAPII; HLD3; p43; SCYE1



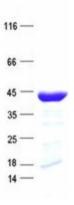
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Summary:The protein encoded by this gene is a cytokine that is specifically induced by apoptosis, and it<br/>is involved in the control of angiogenesis, inflammation, and wound healing. The release of<br/>this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor.<br/>The precursor protein is identical to the p43 subunit, which is associated with the multi-tRNA<br/>synthetase complex, and it modulates aminoacylation activity of tRNA synthetase in normal<br/>cells. This protein is also involved in the stimulation of inflammatory responses after<br/>proteolytic cleavage in tumor cells. Multiple transcript variants encoding different isoforms<br/>have been found for this gene. A pseudogene has been identified on chromosome 20.<br/>[provided by RefSeq, Dec 2008]

Protein Families:	Druggable Genome
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#### **Product images:**



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