Recombinant Human AIMP1

Cat No:HR2R1125

For research use only

Overview

Quantity	20 ?g
Gene Symbol	AIMP1
Gene ID	9255
Accession	Q12904
Alternative Name	EMAP II, EMAP-2, Aminoacyl tRNA synthase complex-interacting multifunctional protein 1, Multisynthase complex auxiliary component p43, Small inducible cytokine subfamily E member 1, SCYE1 Recombinant Human Endothelial Monocyte-Activating Polypeptide 2 (AIMP1)
Species	Human
Source	E. coli
Description	EMAP-II is activated during apoptosis by cleavage of pro-EMAP through caspase 8 and enhances the recruitment of inflammatory cells by its chemotactic properties. Besides its chemotactic effect on inflammatory cells, EMAP-II increases the adhesiveness of coronary artery smooth muscle cells (CASMC) for monocytes. EMAP-II also has anti-angiogenic properties, which are explained by its pro-apoptotic effect on endothelial cells.
Functions	The ED(50) was determined by apoptotic effect on MCF-7 cells using a concentration of 10-50 ng/mL.
Formulation	Recombinant EMAP-II was lyophilized from a 0.2 ?m filtered 20 mM PB,130 mM NaCl solution pH 7.5.
Solubility	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Appearance	Lyophilized Powder
Molecular Weight	18
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.