AIMP1, 1-336aa, Human, His tag, E.coli

Cat.NO.: TP01097

3th Edition

Synonyms: Aminoacyl tRNA synthase complex–interacting multifunctional protein 1, EMAP2, EMAPII, p43, SCYE1.

Description:AIMP1, also known as EMPA2 or p43, 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.

Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 2mM DTT, 10% glycerol

Molecular Weight:39.2 kDa (356aa), confirmed by MALDI-TOF

Sequences:
MGSSHHHHHHSSGLVPRGSHMLPAVAVSEPVVLRFMIFCRLLAKMANNDAVLKRLEQKGAEADQIIEYLKQQVSLL
KEKAILQATLREEKKLRVENAKLKKEIEELKQELIQAEIQNGVKQIPFPSGTPLHANSMVSENVIQSTAVTTVSSGTKE
QIKGGTGDEKKAKEKIEKKGEKKEKKQQSIAGSADSKPIDVSRLDLRIGCIITARKHPDADSLYVEEVDVGEIAPRTVV
SGLVNHVPLEQMQNRMVILLCNLKPAKMRGVLSQAMVMCASSPEKIEILAPPNGSVPGDRITFDAFPGEPDKELNP
KKKIWEQIQPDLHTNDECVATYKGVPFEVKGKGVCRAQTMSNSGIK

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by BCA assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.