HB220304

Recombinant Human Endothelial-Monocyte Activating Polypeptide II (Human EMAP-II)

Product Information

Product Name	Cat#	Size
Recombinant Human Endothelial-Monocyte Activating Polypeptide II (Human EMAP-II)	92512ES08	5μg
	92512ES60	100μg
	92512ES76	500μg

Product Description

SCYE1(small inducible cytokine subfamily E, member 1) is also named as EMAP2, AIMP1. The human cDNA encodes a 312-amino acid polypeptide that the predicted 34-kDa precursor can be cleaved to produce an active 20-kDa product(PMID:7929199). SCYE1 is secreted as a result of various stimuli, including TNF-α, heat shock, and hypoxia, and that it acts as a multifunctional cytokine on both endothelial and immune cells. Defects in AIMP1 are the cause of leukodystrophy hypomyelinating type 3 (HLD3). It has 2 isoforms produced by alternative splicing and the protein can exsit as a dimer.

Product Properties

Synonyms	SCYE1, EMAP-2, Small Inducible Cytokine Subfamily E Member 1
Accession	Q12904
GeneID	9255
Source	E.coli-derived Human EMAP-II protein,Ser147-Lys312.
Molecular Weight	Approximately 18.2 kDa
AA Sequence	SKPIDVSRLD LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEQMQNRM VILLCNLKPA KMRGVLSQAM VMCASSPEKI EILAPPNGSV PGDRITFDAF PGEPDKELNP KKKIWEQIQP DLHTNDECVA TYKGVPFEVK GKGVCRAQTM SNSGIK
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 98% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED_{50} as determined by the apoptotic effect using serum free human MCF-7 cells is less than 40 ng/mL, corresponding to a specific activity of > 2.5×10^4 IU/mg.
Endotoxin	< 1.0 EU per 1μg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20℃ to -80℃ for 1 year.
Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.