

# Human EMAP II Recombinant Protein



RPPB0175

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## Product Information    Protein Information

**Product SKU:**

RPPB0175

**Accession:**

Q12904

**Host:**

Escherichia Coli.

**Protein description:**

EMAP-II Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 166 amino acids and having a molecular mass of 18.3 kDa. The EMAP-II is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

AIMP1, EMAP2, EMAP-2, EMAPII, SCYE1, Multisynthetase complex auxiliary component p43, Endothelial monocyte-activating polypeptide 2, EMAP-II, p43.

**Formulation:**

Lyophilized from a concentrated (1mg/ml) solution in water containing 20mM sodium Phosphate buffer pH=7.5 and 130mM sodium chloride.

**Purity:**

Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized EMAP-II in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized EMAP-II although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EMAP-II should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

SKPIDVSRLD LRIGCIITAR KHPDADSLYV EEVDVGEIAP RTVVSGLVNH VPLEQM QNRM VILLCNLKPA  
KMRGVLSQLAM VMCASSPEKI EILAPPNGSV PGDRITFADF PGEPDKELNP KKKIWEQIQP DLHTNDECVA  
TYKGVPFVVK GKGVCRAQTM SNSGIK.

**Biological Activity:**

Determined by the apoptotic effect on MCF-7 cells using a concentration of 20-30 ng/ml.