

## Epigen Human Recombinant

<b>Item Number</b>	rAP-2405
<b>Synonyms</b>	EPG, Epigen, PRO9904, ALGV3072, FLJ75542, EPGN, Epithelial mitogen.
<b>Description</b>	Epigen Recombinant Human produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 72 amino acids and having a molecular mass of 7.9 kDa. Epigen is purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	Q6UW88
<b>Amino Acid Sequence</b>	AVTVTPPITA QQADNIEGPI ALKFSLHCLE DHNSYCINGA CAFHHELEKA ICRCFTGYTG ERCEHLTLTS YA.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Epigen although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution EPGN should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	EPGN was lyophilized from 20mM PBS buffer pH-7.4 containing 130mM sodium chloride. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Epigen in sterile 18MΩ-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	Determined by the dose-dependent stimulation of the proliferation of murine Balb/3T3 cells. The expected ED <sub>50</sub> for this effect is 150-300ng/ml corresponding to a specific activity of 3,334-6,667IU/mg.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**