

Epigen Protein, Human (CHO)

Cat. No.:	HY-P7010A
Synonyms:	rHuEpigen; Epithelial mitogen; EPG
Species:	Human
Source:	CHO
Accession:	Q6UW88-2 (A24-A104)
Gene ID:	255324
Molecular Weight:	15-20 kDa

PROPERTIES

AA Sequence	A V T V T P P I T A Q Q G N W T V N K T E A D N I E G P I A L K F S H L C L E D H N S Y C I N G A C A F H H E L E K A I C R C F T G Y T G E R C E H L T L T S Y A
Biological Activity	The ED ₅₀ is <1 µg/mL as measured by 3T3 cells.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH 7.4.
Endotoxin Level	<0.2 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Recombinant Human Epigen (CHO-expressed) is a EGF-like growth factor that does not stimulate cells singly expressing ErbB-2, but acts as a mitogen for cells expressing ErbB-1 and co-expressing ErbB-2 in combination with the other ErbBs, with potent mitogenic activity ^[1] .
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REFERENCES

[1]. Kochupurakkal BS, et al. Epigen, the last ligand of ErbB receptors, reveals intricate relationships between affinity and mitogenicity. J Biol Chem. 2005 Mar 4;280(9):8503-12.

Caution: Product has not been fully validated for medical applications. For research use only.

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