

Overview

Synonyms	EPG, Epithelial mitogen
Description	Epigen is an EGF-related polypeptide growth factor that signals through the ErbB receptor-1. It is produced in several tissues, including the testis, liver, heart and in certain tumor cells. Epigen is mitogenic for fibroblasts and epithelial cells. Human Epigen is initially synthesized as a glycosylated precursor protein, which is processed by proteolytic cleavage to produce a mature soluble sequence.
Accession No	Q6UW88
Species	Human
Source	CHO
Biological Activity	ED ₅₀ < 1 µg/ml, measured in a proliferation assay using 3T3 cells.
Sequence	AVTVTPPITA QQGNWTVNKT EADNIEGPIA LKFSHLCLED HNSYICINGAC AFHHELEKAI CRCFTGYTGE RCEHLTLTSY A

Properties

Measured Molecular Weight	15~20 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE.
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH ₂ O or PBS at 100 µg/ml.
Endotoxin Level	< 0.2 EU/µg, determined by LAL method.
Storage	Lyophilized recombinant Human Epigen remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human Epigen should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

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