

Datasheet for ABIN2017768 **Epigen Protein (AA 24-104)**

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Overview

Quantity:	50 µg
Target:	Epigen (EPGN)
Protein Characteristics:	AA 24-104
Origin:	Human
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 1 µg/mL, measured in a proliferation assay using 3T3 cells.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	Epigen (EPGN)
Alternative Name:	Epigen (EPGN Products)
Background:	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.

Target Details

	Synonyms: EPG, Epithelial mitogen
Molecular Weight:	15-20 kDa, observed by reducing SDS-PAGE.
UniProt:	Q6UW88
Pathways:	RTK Signaling, EGFR Signaling Pathway

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O or PBS at 100 µg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant Human Epigen remains stable up to 6 months at -80 °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.
Expiry Date:	6 months