Product Data Sheet

Product Name:	EGF Mouse, Biotin
Cat. No.:	GP20174
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Urogastrone; URG; EGF.		
Amino Acid Sequence	MKKIDDDKNS YPGCPSSYDG YCLNGGVCMH IESLDSYTCN CVIGYSGDRC QTRDLEWWEL R.		
Formulation	The protein (0.5mg/ml) solution contains sterile PBS.		

Introduction

Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide. EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture.

Biological Activity

The ED50 as determined by the dose-dependent proliferation of mouse BALB/c 3T3 cells is 0.14-0.2ng/ml, corresponding to a specific activity of 7.1x106units/mg.

Stability

Should be stored at 4°C .Please do not freeze.

Background

EGF Mouse Recombinant, Biotin produced in E.Coli is a non-glycosylated polypeptide chain containing 61 amino acids and having a total molecular mass of 7.0kDa. This version of EGF has a N terminal leader sequence hosting a biotin conjugation. There are 0.5 biotins for each EGF protein.

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