
Product Data Sheet

Product Name: EGF Mouse, His
 Cat. No.: GP20175
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Urogastrone; URG; EGF.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMNSYPGC PSSYDGYCLN GGVCMHIESL DSYTCNCVIG YSGDRCQTRD LRWWELR.		
Formulation	The EGF solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 2mM DTT and 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

EGF mouse Recombinant produced in E. coli is a single polypeptide chain containing 77 amino acids (977-1029) and having a molecular mass of 8.6kDa. EGF is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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