9051 Mira Mesa Blvd, #910094
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HB-EGF Human, His

Proheparin-Binding EGF-like Growth Factor Human Recombinant, His Tag
GRF0147

Product Overview

Name	HB-EGF Human, His

Description

Proheparin-Binding EGF-like Growth Factor Human Recombinant, His Tag

Accession (Primary)	Q99075

Synonyms

Proheparin-binding EGF-like growth factor, HBEGF, DTR, DTS, HEGFL, HB-EGF, Heparin-binding EGF-like growth factor, Diphtheria toxin receptor, DT-R, DTSF.

Introduction

HB-EGF is an EGF related growth factor which signals via the EGF receptor, and stimulates the proliferation of SMC (smooth muscle cells), fibroblasts, epithelial cells and keratinocytes. HB-EGF is expressed in various cell types and tissues, including vascular endothelial cells and SMC, macrophages, skeletal muscle, keratinocytes and particular tumor cells. HB-EGF's ability to explicitly bind heparin and heparin sulfate proteoglycans is dissimilar from other EGF-like molecules, and might be related to the enhanced mitogenic activity, relative to EGF, that HB-EGF exerts on smooth muscle cells.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The HB-EGF His solution (0. 5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 50% glycerol.

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.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS DLQEADL DLLRVTLSSK PQALATPNKE EHGKRKKKGK GLGKKRDPCL

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RKYKDFCIHG ECKYVKELRA PSCICHPGYH GERCHGLSL.

Precautions

HB-EGF Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q99075)