

Overview

Synonyms	DTR, DTS, HEGFL
Description	<p>Proheparin-binding EGF-like growth factor (HB-EGF), also known as DTR, DTS and HEGFL, is a member of the EGF family of mitogens. It is expressed in macrophages, monocytes, endothelial cells and muscle cells. HB-EGF signals through the EGF receptor to stimulate the proliferation of smooth muscle cells, epithelial cells and keratinocytes. Compared to EGF, HB-EGF binds the EGF receptor with higher affinity and is thus more mitogenic, probably due to its ability to bind to heparin and heparin sulfate proteoglycans. HB-EGF has been reported to act as a diphtheria toxin receptor, mediating endocytosis of the bound toxin.</p>
Accession No	Q99075
Species	Human
Source	CHO
Biological Activity	ED ₅₀ <0.5 ng/ml, measured in a cell proliferation assay using 3T3 cells.
Sequence	<p>DLQEADLDLL RVTLSKPKQA LATPNKEEHG KRKKKGKGLG</p> <p>KKRDPCLRKY KDFCIHGECK YVKELRAPSC ICHPGYHGER</p> <p>CHGLSL</p>

Properties

Measured Molecular Weight	12-14 kDa, observed by reducing SDS-PAGE.
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
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 HB-EGF remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human HB-EGF should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura,
Delhi – 110034 (INDIA).

Mobile: +91-9810521400, Ph: +91-11-42208000

Email: customerservice@lifetechindia.com

Web: www.lifetechindia.com