

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten! See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic in





DATA SHEET

GFH180

Recombinant Human HB-EGF

Description

Heparin-Binding Epidermal Growth Factor-like growth factor (HB-EGF) is a member of the Epidermal Growth Factor (EGF) family and is expressed by monocytes and macrophages. HB-EGF is the predominant growth factor involved in epithelialization during wound healing. HB-EGF signals through the receptor tyrosine kinase ErbB2 to maintain adult heart homeostasis and promotes cardiac valve development through binding in high affinity to the epidermal growth factor receptor (EGFR). HB-EGF binds the ErbB4 receptor tyrosine kinase to mediate implantation of the human blastocyst. HB-EGF also functions as a potent mitogen for fibroblasts and smooth muscle cells.

Length87 aaMolecular Weight9.9 kDaSourceE. coliAccession NumberQ99075

Purity ≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names Heparin-Binding Epidermal Growth Factor-like growth factor, HBEGF, diphtheria toxin receptor, DT-R

Biological Activity Human HB-EGF is fully biologically active when compared to standard. The activity is determined by a

proliferation assay using BALB/c 3T3 cells and it is typically less than 1 ng/ml. This corresponds to an expected

specific activity of 1.0 x 10⁶ units/mg.

Endotoxin Level ≤1.00 EU/µg as measured by kinetic LAL

Formulation Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5

AA Sequence MDLQEADLDL LRVTLSSKPQ ALATPNKEEH GKRKKKGKGL GKKRDPCLRK YKDFCIHGEC

KYVKELRAPS CICHPGYHGE RCHGLSL

Preparation and Storage

Reconstitution Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the

vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized

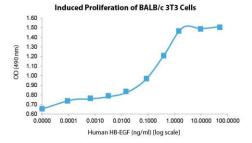
product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.

Stability and Storage 12 months from date of receipt when stored at -20°C to -80°C as supplied.

1 month when stored at 4°C after reconstituting as directed.

3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Induced proliferation of BALB/c 3T3 cells assay for Human HB-EGF. Cell proliferation was measured to calculate the ED50, which is as expected less than 1 ng/ml.