

## Human HB-EGF

Synonyms: HBEGF, DTR, DTS, HEGFL, HB-EGF, Diphtheria toxin receptor, DT-R, DTSF.

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
10 µg	1465.950.010		
50 µg	1465.950.050		
1 mg	1465.950.199		

Please enquire for bulk quantities and other vial sizes

### Description

HB-EGF Human Recombinant produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 87 amino acids and having a molecular mass of 9.9kDa.

- **Biological Activity** 7.7 x 10<sup>6</sup>units/mg
- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a concentrated (1mg/ml) solution containing 10mM sodium phosphate pH-7.5\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

The ED<sub>50</sub> was determined by the ability to induce proliferation of 3T3 cells and is 0.13-0.2ng/ml. This corresponds to an expected specific activity of 7.7 x 10<sup>6</sup>units/mg.

### Reconstitution

It is recommended to reconstitute the lyophilized Human HB-EGF in sterile 18M-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Human HB-EGF Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution HB-EGF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

MDLQEADLDL LRVTLSSKPQ ALATPNKEEH GKRKKKGKGL GKRRDPCLRK YKDFCIHGEC KYVKELRAP  
SCICHPGYHG ERCHGLSL

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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