

Recombinant Human HBEGF Protein (63-148 aa), His-tagged

Cat. No. HBEGF-2526H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HBEGF Protein (63-148 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	63-148 aa
Description	Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	11.7 kDa
AA Sequence	DLQEADLDLLRVTLSKPQALATPNKEEHGKRKKKGKGLGKKRDPCLRKYKDFCIH GECKYVKELRAPSCICHPGYHGERCHGLSL
Purity	> 85% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

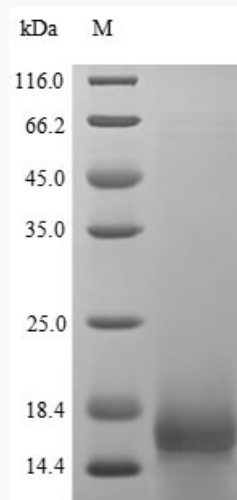
GENE INFORMATION

Gene Name	HBEGF heparin-binding EGF-like growth factor [Homo sapiens]
Official Symbol	HBEGF
Synonyms	HBEGF; heparin-binding EGF-like growth factor; DTR; DTS; DTSF; HEGFL;
Gene ID	1839
mRNA Refseq	NM_001945
Protein Refseq	NP_001936
MIM	126150
UniProt ID	Q99075

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.