

Product datasheet for MR212137

Hbegf (NM_010415) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hbegf (NM_010415) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hbegf
Synonyms: AW047313; Dtr; Dts; Hegfl
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212137 representing NM_010415
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCTGCTGCCGTGGTGTGCTGAAGCTCTTTCTGGCCGAGTGTGTCCGCGTTGGTGACCGGTG
 AGAGTCTGGAGCGGCTTCGGAGAGGTCTGGCGGCAGCAACCAGCAACCCTGACCCCTCCACTGGATCCAC
 AAACAGCTGCTACCCACGGGAGGTGATCGTCTCAGGGGTCCAGGACTTGAAGGGACAGATCTGAAC
 CTTTTCAAAGTTGCTTTCTCTCAAGCCACAAGGCTGGCCACCCCAAGCAAAGAAAGGAATGGGAAAA
 AGAAGAAGAAAGAAAGGGTTAGGAAGAAGAGAGACCCATGCCTCAGGAAATACAAGGACTACTGCAT
 CCACGGGGAGTGAGATACCTGCAGGAGTCCGTACTCCCTCTTGCAAATGCCTCCCTGGTTACCACGGA
 CACAGGTGCATGGGCTGACTCTACCAGTGGAGAATCCCTATACACATATGACCACACTACAGTCTTGG
 CTGTGGTGGCTGTAGTACTGTCGTCCGTCTGTCTTCTTGTTCATCGTGGGACTTCTCATGTTAGGTACCA
 CAGGAGAGGAGTTATGACTTGGAAAGTGAAGAGAAAGTGAAGTTGGGCGTGGCTAGCTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212137 representing NM_010415
 Red=Cloning site Green=Tags(s)

MKLLPSVMLKFLAAVLSALVTGESLERLRRGLAAATSNPDPPTGSTNQLLPTGGDRAQGVQDLEGTDLN
 LFKVAFSSKPQLATPSKERNGKKKKKGLGKKRDPCLRKYKDYCIHGECRYLQEFRTPSCKCLPGYHG
 HRCHGLTLPVENPLYTYDHTTVLAVVAVVLSVCLLIVGLLMFRYHRRGGYDLESEEKVLGVASSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_010415.2](#), [NP_034545.1](#)

RefSeq Size: 2337 bp

RefSeq ORF: 627 bp

Locus ID: 15200

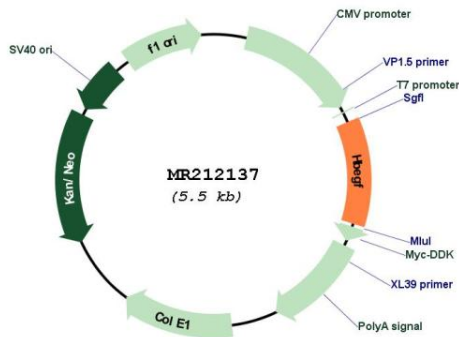
UniProt ID: [Q06186](#)

Cytogenetics: 18 19.46 cM

MW: 23.3 kDa

Gene Summary: 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212137