

Product datasheet for **RN200862**

Hemgn (NM_133294) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemgn (NM_133294) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hemgn
Synonyms:	Edag-1; Edag1; Hgn; RP59
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200862 representing NM_133294
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTGAGGAAGGACCAATCTCATCTGACGCTCAACCAGACCCTGAAGCTCATGTAGAGAAGTCCC
 ATGCTCCAGACATCATTGGATCTTGGAGTTTGGAGAACAGAGAACAACCTGAAGAAGAGAAAAGCTGAGGC
 ACAGGGGAGGCAGACGTCACAATGGCAACTTGGAGAACAGAAAAACGCAAGTATCAGAGAACAGGAAAA
 GGTAATCGAAGAGGCCGAAAGAGACAAGGGAATGTGGAACAAAAGGCAGAGTCTTGGTCACAAAACAGAAA
 ACGAAAGGGTACAGGAGGTATTGGTACCTGCTGAGGAAGAACTGAGTACTCTGGAAACTGCAACTCA
 AGCCCTTCCCTTGAGAGCATCCCCACAAAAGCTGTGCCTACAGAACACTGTTCTGAAGTACCCCAAGAA
 AGCTTGCAGTGCCAAGAAATAACTATACAGAACCATTCTCAAACACACCAACGAAGGGACAAAGCTGAAG
 CTCTCTCTCTACCACGTGCCAAGAAATAGGAGTACTTCAATATTCTCCTAAGATGTGCCAAGATATGGC
 TGAACCTGAGGCACGCTCACCTAAAATGTGCCAGGAGACAGCTGTGCCCAAACCTATTCTCCCAAAGCA
 CACGAAGATATGGCTGAATATGAGGCACCTTTCGCCTAAAATGTGCCGGGAAACACCTGTGCCACAATACC
 ATTCTTCCAAAATACCCCAAGATATGACCGGACCTGAGGCGTTAGCTCCTGATATGTGCCAAGAAAACAC
 TGTGTCCCAAACCACTTCTTCCAAAGTACCCAGGATATGGCTGGACCTGAGGCGCTCTCTTAAAATG
 TGCCAGGAACCAACTGTGCTTCAAGAACATACTTTGAAAATATGCCAAGATGTGGCCAGACCTGACGTCC
 TCTCTTAAAACACATCAAGAGATGACTGTTCCCAAAGCCCTTCCCTGTATAACACCTGGAGATGCTGC
 TGGCCAGAAAGGATGCTCCCCAAAACACTCCCCAGTCAGATGTAACCCCATGTCAGTCACACCAGGA
 AAAAATACTTCCCACCCAGATCTGGGAACGGCTGTGGCTGAAGGCTGCTTTTCTGAAGCCGGAGAATGCA
 TTGTATCTGAAGACATTTCTACAAAACACACCAAGAAGCAGTTGAACCTAAATTCCTTTCTCAAGAC
 TTACAAAGAATTCACTGTGCCTATAGTCTCCTCTCATAAAAACCATCCAAGAATCACCTGGGCTGAAGAA
 TATTCACCTGGAAGCCGTATGAAATGTGAGAGCCTGAAGACCTCTATCAAGACCTGTGAAGAACAGGG
 ATGGGCCATAAACACAGCCTTCCAGAAGGAGCCAGGAAGTAGGTGGGGCCAGAGGCAGGACCCTGATGC
 ACAGGATATCGAGGACGCTGGTCTTTCTCAAGACCTGGAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_133294

Insert Size: 1449 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_133294.1](#), [NP_579828.1](#)
RefSeq Size: 2512 bp
RefSeq ORF: 1449 bp
Locus ID: 113882
UniProt ID: [Q6AZ54](#)
Cytogenetics: 5q22
Gene Summary: may be involved in osteoblast recruitment into growing bone tissue [RGD, Feb 2006]