

Product datasheet for **MC217034**

Hemgn (NM_053149) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Hemgn (NM_053149) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Hemgn |
| Synonyms: | 4921524M03Rik; AI317176; EDAG; Hgn; mNDR |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC217034 representing NM_053149
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACATGGGAAGGGCCGACCTCGTCTGAAGCTCCCCAGATGCCTGAAGCTACCCACAGAAGTCTT
GTGCTCCAGACATCATTGGATCTTGGAGTCTGAGAACAGAGAACAAGTCTGAGGAAGAGAAAAGCTGAGGC
CCAGGGGAGGCGAGACATCACAATGGCTCCTTGGAGAACAGAAAAACGCAAGTATCAGAGAACAGGAAAA
GGAATAAAAGAGGCCGAAAGAGACAAGGGAACGTGGAGCAAAAGGCAGAGCCTTGGTCACAAACAGAAA
GGGAAAGGGTGAAGAGGTATTGGTATCTGCTGAGGAAGAAACGAGCACCCTGGAACTCTGCAACTGA
AGCCCTCCCTTGGTCCCATCCCCACAAAAGCTGTGCCGCAGATCAGTGTCTGAAGCACACCAAGAA
AGCATTCAATGTCAAGAAAGAGCAATACAGAACCATTCTCAAACACACCTCTCTCCTACCACATGCCAAG
GAATAGCAGTACTCAACATTCTCTAAAATGTGCCAAGATATGGCCGAACCTGAGGTATTCTCTCTAA
CATGTGCCAGGAGACAGCTGTGCCCAACCTATCTCCCAAAGCACTTGAAGAAATGGTCGAGCCGAG
CCTCTCTCTCTAAAATGTGCCAGGAAACAAGTGTGCCCAACCTTCTTCAAAGTGCCCAAGATA
TGGCTGGACCTGAGGCTCTCTCTCTAAACATGTGCCAGGAACCAACTGTGCCCTAAGAACAATTTGAA
AATGTGCCATGATGTGGCCAGACCTGAAGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
GCCTTTCCTGTGTAACACCTGGAGATGCTGCTGGCCTGGAAAGATGCGCCCAAAAGCCCTCCCAAT
CAGATGTCGCTGAAGGCTGTCCACTTGACACAACCCCAAGTCAGTCACACCAGAACAAACCACTCCGA
CCCAGATCTGGGAATGGCTGTGACTGAAGGCTTCTTTCTGAAGCCAGAGAATGCACTGTTTCTGAAGGC
GTTTCTACAAAGACACCAAGAAGCAGTTGAACCTGAATTCATTTCTCACGAGACTATAAAGAATTCA
CTGTGCCTATAGTTTCTCTCAGAAAACAATCCAAGAATCACCTGAGCCTGAACAATATTACCTGAAAC
ATGTCACCAATACCTGGGCCTGAGAATTCCTCACTGGAACCTGCCATGAAATGTGGGGCCTGAAGAC
CTCTATCAAGACCTGTGAGGACAGGGAGGCTAAACACAGCCTTCCAGAAGGAGGCCAGAAAGTAG
GTGGGGCCCAAGGCAGGACGCTGATGCACAGGACAGCGAGAACGCTGGTCTTTCTCTCAAGATTTTAC
AGAAATGGAGGAAGAAAACAAGCAGATCAAGATCCGGAAGCTCCAGCAAGCCACAAGTTCTCAAGAG
ACCTGCCAGAAAATGGCATCTACAGCTCTGCTCTATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053149

Insert Size: 1512 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_053149.2](#), [NP_444379.1](#)

RefSeq Size: 2310 bp

RefSeq ORF: 1512 bp

Locus ID: 93966

UniProt ID: [Q9ERZ0](#)

Cytogenetics: 4 B1

Gene Summary: Regulates the proliferation and differentiation of hematopoietic cells. Overexpression block the TPA-induced megakaryocytic differentiation in the K562 cell model. May also prevent cell apoptosis through the activation of the nuclear factor-kappa B (NF-kB) (By similarity).
[UniProtKB/Swiss-Prot Function]