

Product datasheet for **SC324237**

Hemogen (HEMGN) (NM_018437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemogen (HEMGN) (NM_018437) Human Untagged Clone
Tag:	Tag Free
Symbol:	Hemogen
Synonyms:	CT155; EDAG; EDAG-1; NDR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018437.3
 CCAGAAGTTATGAAGATAGGTACTGTGGGTGTTAGAAAGATTCACGGCAAAACAGGGAAG
 CATCTAGGCTGCTTGTGGAAGTCAGACCAAAATAGCAGGAAGGTATTGCAGCAAGATGGA
 TTTGGGAAAGGACCAATCTCATTTGAAGCACCATCAGACACCTGACCCTCATCAAGAAGA
 GAACCATTTCTCCAGAAGTCATTGGAACCTGGAGTTTGAGAAACAGAGAACTACTTAGAAA
 AAGAAAAGCTGAAGTGCATGAAAAGGAAACATCACAATGGCTATTTGGAGAACAGAAAAA
 ACGCAAGCAGCAGAGAACAGGAAAAGGAAATCGAAGAGGCAGAAAGAGACAACAAAACAC
 AGAATTGAAGGTGGAGCCTCAGCCACAGATAGAAAAGGAAATGGAGAAAGCACTGGCACC
 TATAGAGAAAAAACTGAGCCACCTGGGAGCATAACCAAAGTATTTCTTCAAGTACGCTC
 CCCGCAAAAAGTTGTGCCTGAGGAACACTTTTCTGAAATATGTCAAGAAAGTAACATATA
 TCAGGAGAATTTTTCTGAGTACCAAGAAATAGCAGTACAAAACCTTCTTCTGAAACATG
 CCAACATGTGTCTGAACCTGAAGACCTCTCTCTAAAATGTACCAAGAAATATCTGACT
 TCAAGACAATTCTCCAAAATATGCCAAGACATGAAGGAACCTGAAGACAACCTCTCTAA
 CACATGCCAAGTAATATCTGTAATCAAGACCATCCTTTCAAAAATGTACCAAGATATGGC
 TAAACGAGAAGATCTGGCTCCTAAAATGTGCCAAGAAGCTGCTGTACCCAAAATCCTTCC
 TTGTCCAACATCTGAAGACACAGCTGATCTGGCAGGATGCTCTTCAAGCATATCCAAA
 ACCAGATGTGCCTAAAGGCTATATTCTTGACACAGACCAAAATCCAGCAGAACCCAGAGGA
 ATACAATGAAACAGATCAAGGAATAGCTGAGACAGAAGGCCTTTTTCTAAAATACAAGA
 AATAGCTGAGCCTAAAGACCTTTCTACAAAAACACACCAAGAATCAGCTGAACCTAAATA
 CCTTCTCATAAAAACATGTAACGAAATATTGTGCCTAAAGCCCTCTCATAAAAACAT
 CCAAGAAACACCTCATTCTGAAGACTATTCAATTGAAATAAACCAAGAAACTCCTGGGTC
 TGAATAATTTCCCTGAAACGTATCAAGAAATACCTGGGCTTGAAGAATATTCACCTGA
 AATATACCAAGAAACATCCCAGCTTGAAGAATATTCACCTGAAATATACCAAGAAACACC
 GGGCCTGAAGACCTCTCTACTGAGACATATAAAAATAAGGATGTGCCTAAAGAAATGCTT
 TCCAGAACCACCAAGAAACAGGTGGGCCCAAGGCCAGGATCCTAAAGCACACCAGGA
 AGATGCTAAAGATGCTTATACTTTCTCAAGAAATGAAAGAAAAACCAAGAAAGAGCC
 AGGAATACCAGCAATTCTGAATGAGAGTCATCCAGAAAATGATGTCTATAGTTATGTTTT
 GTTTTAACAATGCTCAACCATAAAGTTGTGGTCCAATGGAACATACAAAAA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_018437

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_018437.3](#), [NP_060907.2](#)

RefSeq Size: 2210 bp

RefSeq ORF: 1455 bp

Locus ID: 55363

UniProt ID: [Q9BXL5](#)

Cytogenetics: 9q22.33

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).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.