

Product datasheet for **SC108772**

Hemogen (HEMGN) (NM_197978) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hemogen (HEMGN) (NM_197978) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEMGN
Synonyms:	CT155; EDAG; EDAG-1; NDR
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_197978, the custom clone sequence may differ by one or more nucleotides

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ATGGATTGGGAAAGGACCAATCTCATTGGAAGCACCATCAGACACCTGACCCTCATCAAGAAGAGAACC
ATTCTCCAGAAGTCATTGGAACCTGGAGTTTGAGAAACAGAGAACTACTTAGAAAAAGAAAAGCTGAAGT
GCATGAAAAGGAAACATCACAATGGCTATTTGGAGAACAGAAAAACGCAAGCAGCAGAGAACAGGAAAA
GGAAATCGAAGAGGCAGAAAGAGACAACAAAACACAGAATTGAAGGTGGAGCCTCAGCCACAGATAGAAA
AGGAAATAGTGGAGAAAGCACTGGCACCTATAGAGAAAAAACTGAGCCACCTGGGAGCATAACCAAAGT
ATTTCTTCAGTAGCCTCCCGCAAAAAGTTGTGCCTGAGGAACACTTTTCTGAAATATGTCAAGAAAGT
AACATATATCAGGAGAATTTTTCTGAGTACCAAGAAATAGCAGTACAAAACCTTCTTCTGAAACATGCC
AACATGTGTCTGAACCTGAAGACCTCTCTCCTAAAATGTACCAAGAAATATCTGTACTTCAAGACAATTC
TTCCAAAATATGCCAAGACATGAAGGAACCTGAAGACAACCTCTCCTAACACATGCCAAGTAATATCTGTA
ATTCAAGACCATCCTTTCAAATGTACCAAGATATGGCTAAACGAGAAGATCTGGCTCCTAAAATGTGCC
AGAAGCTGCTGTACCCAAAATCCTTCTTGTCCAACATCTGAAGACACAGCTGATCTGGCAGGATGCTC
TCTTCAAGCATATCCAAAACAGATGTGCCTAAAGGCTATATTCTTGACACAGACCAAAAATCCAGCAGAA
CCAGAGGAATACAATGAAACAGATCAAGGAATAGCTGAGACAGAAGGCCTTTTTCTAAAATACAAGAAA
TAGCTGAGCCTAAAGACCTTTCTACAAAACACACCAAGAATCAGCTGAACCTAAAATACCTTCCTATAA
AACATGTAACGAAATTATTGTGCCTAAAGCCCCCTCTCATAAAAACAATCCAAGAAACACCTCATTCTGAA
GACTATTCAATTGAAATAAACCAAGAACTCCTGGGTCTGAAAAATATTCACCTGAAACGTATCAAGAAA
TACCTGGGCTTGAAGAATATTCACCTGAAATATACCAAGAAACATCCCAGCTTGAAGAATATTCACCTGA
AATATACCAAGAAACACCGGGCCTGAAGACCTCTCTACTGAGACATATAAAAATAAGGATGTGCCTAAA
GAATGCTTTCCAGAACCACCAAGAAACAGGTGGGCCCAAGGCCAGGATCCTAAAGCACACCAGGAAG
ATGCTAAAGATGCTTATACTTTCTCAAGAAATGAAAGAAAAACCAAGAAGGCCAGGAATACCAGC
AATTCTGAATGAGAGTCATCCAGAAAATGATGTCTATAGTTATGTTTTGTTTTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_197978 unedited CAGTAATTTGTNATACGACTCACTATAGGGCGGCACGCGATTTCGGCACGAGGTCAGACCA AAATAGCAGGAAGGTATTGCAGCAAGATGGATTGGGAAAGGACCAATCTCATTGGAAGC ACCATCAGACACCTGACCCTCATCAAGAAGAGAACCATTCTCCAGAAGTCATTGGAACCT GGAGTTTGAGAAACAGAGAACTACTTAGAAAAAGAAAAGCTGAAGTGCATGAAAAGGAAA CATCACAATGGCTATTTGGAGAACAGAAAAACGCAAGCAGCAGAGAACAGGAAAAGGAA ATCGAAGAGGCAGAAAGAGACAACAAAACACAGAATTGAAGGTGGAGCCTCAGCCACAGA TAGAAAAGGAAATAGTGGAGAAAGCACTGGCACCTATAGAGAAAAAACTGAGCCACCTG GGAGCATAACCAAAGTATTTCTTCAGTAGCCTCCCCGCAAAAAGTTGTGCCTGAGGAAC ACTTTTCTGAAATATGTCAAGAAAGTAACATATATCAGGAGAATTTTCTGAGTACCAAG AAATAGCAGTACAAAACATTCTTCTGAAACATGCCAACATGTGTCTGAACCTGAAGACC TCTCTCTAAAATGTACCAAGAAATATCTGTACTTCAAGACAATCTTCCAAAATATGCC AAGACATGAAGGAACCTGAAGACATCTCTCCTAACACATGCCAAGTAATATCTGTAATTC AAGACCATCCTTTCAAAATGTACCAAGATATGGCTAACGAGAAGATCTGGCTCCNTANA TGTGCCAAGAAGCTGCTGTACCCATATCCTTNCTTGCCACATCTGAAGACCAGCTGATC TGGCAGATGCTCTTTCAGCATATNCAACCAGATGTGCCTATGGCTATATTCTTGACCA GACCATATCCAGCAGATCAGAGGATACATGAACAGATCAAGGATAGCTGAAAAGATGGCC TTTTANCTAATACAGAAA
Restriction Sites:	ECoRI-NOT
ACCN:	NM_197978
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:	<ol style="list-style-type: none"> 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:	<u>NM_197978.1</u> , <u>NP_932095.1</u>
RefSeq Size:	2178 bp
RefSeq ORF:	1455 bp
Locus ID:	55363
UniProt ID:	<u>Q9BXL5</u>
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 (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.