

Product datasheet for **SC125366**

HMGN3 (NM_004242) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HMGN3 (NM_004242) Human Untagged Clone
Tag:	Tag Free
Symbol:	HMGN3
Synonyms:	PNAS-24; PNAS-25; TRIP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004242, the custom clone sequence may differ by one or more nucleotides

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ATGCCGAAGAGAAAGTCTCCAGAGAATACAGAGGGCAAAGATGGATCCAAAGTAACTAAACAGGAGCCCA  
CAAGACGGTCTGCCAGATTGTCAGCGAAACCTGCTCCACCAAACCTGAACCCAAACCAAGAAAAACATC  
TGCTAAGAAAGAACCTGGAGCAAAGATTAGCAGAGGTGCTAAAGGGAAGAAGGAGGAAAAGCAGGAAGCT  
GGAAAGGAAGGTACTGCACCATCTGAAAATGGTGAACTAAAGCTGAAGAGGCACAGAAAACCTGAATCTG  
TAGATAACGAGGGAGAATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004242 unedited CCCCTTCTAACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTAT ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCG GCCGGAATTCGGCACGAGGGTCGTGCCCTGCGCGTGAGCAGCTGCAGCGGCAGAGGCAG CATCCAGCGGCGGCCAGCAGTCCAGTCCGTTGCTTTACTTTTTGCTTCACCGACATA GTCATTATGCCGAAGAGAAAGTCTCCAGAGAATACAGAGGGCAAAGATGGATCCAAGTA ACTAAACAGGAGCCACAAGACGGTCTGCCAGATTGTCAGCGAAACCTGCTCCACCANAA CCTGNAACCAAACCAAGAAAAACATCTGCTAAGAAAGAACTGGAGCAAAGATTAGCAGA AGTGCTAAGGGNAAGAANGANGAAAAAGCANGNAGCTGNAAGGAAAGTACNTGACCATCT GAAAAATGGTGAAACTAAAGCTGANNAGCCAGAAAACTGAATCTGTGATAACCAGGGGAA AATGAATTGCATGAAAAATTGGGGTGGTTTTAAGTTTCCCTGGGGAAACTTTTTAAACC ATTTTTCCACAGTTTTTTGAAAAGGCCATTTTTAAAGGCCTCCCTTTTGGCGACCAAA ATATTAAGGGGGGACTTTTTCCGCCCAAAAACGGCGTTTTGGGAAATTTAAACCCCC CCCGAAAAAAAATCCCTTTAAATTTGGGGGCGCTGGGAAAAAATTTCCCCCCCC CCCCGCCCCCTCTAAAAAAAACCCCGCCCCCACCAGGGGGTGTTCGCGGCCAAA ATTAATTTTTTTGCGCGTTTTTAAAAAAAAGGGGGTGTTCGCCACAATA TTAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_004242
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:	NM_004242.2 , NP_004233.1
RefSeq Size:	935 bp
RefSeq ORF:	300 bp
Locus ID:	9324
UniProt ID:	Q15651
Cytogenetics:	6q14.1
Domains:	HMG14_17
Protein Families:	Druggable Genome

Gene Summary:

The protein encoded by this gene binds thyroid hormone receptor beta in the presence of thyroid hormone. The encoded protein, a member of the HMGN protein family, is thought to reduce the compactness of the chromatin fiber in nucleosomes, thereby enhancing transcription from chromatin templates. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. There is a related pseudogene on chromosome 1. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) encodes isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.