

Product datasheet for **SC331414**

HMGN3 (NM_001201362) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: HMGN3 (NM_001201362) Human Untagged Clone
Tag: Tag Free
Symbol: HMGN3
Synonyms: PNAS-24; PNAS-25; TRIP7
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331414 representing NM_001201362.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCCGAAAGAGAAAGTCTCCAGAGAATACAGAGGGCAAAGATGGATCCAAAGTAACTAAACAGGAGCCC  
ACAAGACGGTCTGCCAGATTGTCAGCGAAACCTGCTCCACCAAAACCTGAACCCAAACCAAGAAAAACA  
TCTGCTAAGAAAGAACCTGGAGCAAAGATTAGCAGAGGTGCTAAAGGGAAGAAGGAGGAAAAAGCAGGAA  
GCTGGAAAGGAAGGTACTGCACCATCTGAAAATGGTGAAGTAAAGCTGAAGAGGTACTTCCATAAAT  
ACCTCCCACTGA
```

Restriction Sites: Sgfl-Mlul

ACCN: NM_001201362

Insert Size: 288 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_001201362.1](#)



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RefSeq Size: 1484 bp

RefSeq ORF: 288 bp

Locus ID: 9324

UniProt ID: [Q15651](#)

Cytogenetics: 6q14.1

Protein Families: Druggable Genome

MW: 10.2 kDa

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 (3) retains an alternate segment in the 3' region compared to variant 1, which results in a different 3' coding region and 3' UTR. The resulting isoform (c) is shorter and has a distinct C-terminus compared to isoform a.