

## **Product datasheet for RG201589**

## HMGN4 (NM 006353) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

**Product Name:** HMGN4 (NM\_006353) Human Tagged ORF Clone

Tag: TurboGFP Symbol: HMGN4

Synonyms: HMG17L3; NHC

Mammalian Cell Neomycin

Selection:

**Vector:** pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG201589 representing NM\_006353

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGCCCAAGAGAAAAGGCAAAAGGAGATGCTAAAGGTGATAAAGCAAAGGTGAAGGATGAGCCACAGAGGA GATCAGCTCGGTTGTCTGCTAAACCAGCTCCTCCAAAACCAGAGCCCAGGCCTAAAAAAGGCCTCTGCAAA GAAGGGAGAGAAGCTTCCCAAAGGGAGAAAGGGGAAAGCAGATGCTGGAAAGGATGGAAACAACCCTGCA

AAAAACCGAGATGCCTCTACACTCCAGTCCCAGAAAGCGGAAGGCACTGGGGATGCCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG201589 representing NM\_006353

Red=Cloning site Green=Tags(s)

MPKRKAKGDAKGDKAKVKDEPQRRSARLSAKPAPPKPEPRPKKASAKKGEKLPKGRKGKADAGKDGNNPA

KNRDASTLQSQKAEGTGDAK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



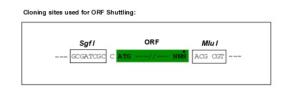
**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

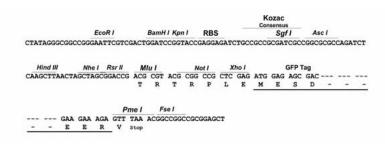
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



## **Cloning Scheme:**





**ACCN:** NM\_006353

ORF Size: 270 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.



RefSeq: <u>NM 006353.1</u>, <u>NP 006344.1</u>

 RefSeq Size:
 1980 bp

 RefSeq ORF:
 273 bp

 Locus ID:
 10473

 UniProt ID:
 000479

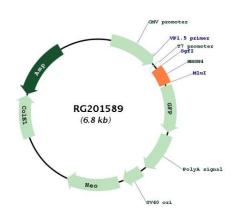
 Cytogenetics:
 6p22.2

**Gene Summary:** The protein encoded by this gene, 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. [provided by RefSeq, Mar 2013]

## **Product images:**



Circular map for RG201589