

Product datasheet for **RG203619**

R3HDM4 (NM_138774) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	R3HDM4 (NM_138774) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	R3HDM4
Synonyms:	C19orf22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203619 representing NM_138774 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCGCGCTGGAGAACCCCGAGTGGCGCCGGAGGGCGGAGGGCACCCGGCGGGCGGGGCTGC
TGCCCTTCCCAGCTGCCTGCCCTAGCCAGCTCCCAGGTGAAGAGACTCTCGGTTCCAGGCGGAA
ACAGCACTTCATCAACCAGGCAGTGCAGCACTCAGACCTCGTCCCAAGGCCAAGGGCGGAAGAGCCTC
CAGCGCCTGGAGAACCCAGTACCTCCTGACCCTGCTGGAGACAGACGGGGCCTGCCTGGCCTGGAGG
ATGGGGACTTGGCACCCCTGCATCACCAGGCATCTTTGCCGAGGCTGCAACAACGCCACCTATGTGGA
GGTCTGGAACGATTTTCATGAACCGCTCCGGGGAGGAGCAGGAGCGGGTTCTTCGCTACCTGGAGGATGAG
GGCAGGAGCAAGGCGCGGAGGAGGGCCCTGGCCGTGGGGAGGACCGGAGGAGAGAGGACCCGCCTATA
CACCCCGCGAGTGCTTCCAGCGCATCAGCCGGCGTCTGCGAGCCGTCCTCAAGCGCAGCCGCATCCCAT
GGAAACGCTGGAGACCTGGGAGGAGCGGCTGCTTCGGTTCTTCTCCGTGTCCCCCAGGCCGTGTACACA
GCAATGCTAGACAACAGCTTCGAGAGGCTTCTGCTGCACGCTGTCTGCCAGTACATGGACCTCATCTCGG
CCAGTGTGACCTGGAGGGGAAGCGGCAGATGAAGGTGAGTAAATCGGCACCTGGATTTCTGCCCGCGG
GCTGCTCTGTCCGCTACCTGGAGCAGCACAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203619 representing NM_138774
 Red=Cloning site Green=Tags(s)

MVALENPECGPEAAEGTPGGRRLLPLPSCLPALASSQVKRLSASRRKQHFINQAVRNSDLVPKAKGRKSL
 QRLENTQYLLTLLETGGGLPGLDGDLPASPFIFAEACNNATYVEVWDFMNRSGEEQERVLYLEDE
 GRSKARRRGPGRGEDRRREDPAYTPRECFQRISRRLRAVLKRSRIPMETLETWEERLLRFFSVSPQAVYT
 AMLDNSFERLLLHAVCQYMDLISASADLEGKRQMKVSNRHLDFLPPGLLLSAYLEQHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138774

ORF Size: 804 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.

RefSeq: [NM_138774.4](#)

RefSeq Size: 1810 bp

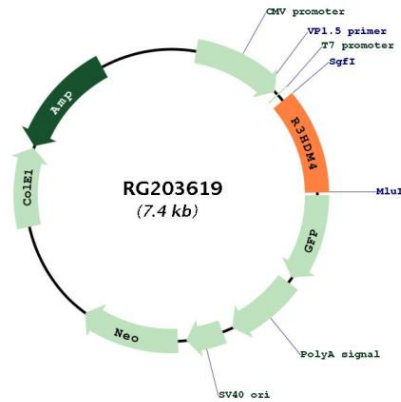
RefSeq ORF: 807 bp

Locus ID: 91300

UniProt ID: [Q96D70](#)

Cytogenetics: 19p13.3

Product images:



Circular map for RG203619