

Product datasheet for **RG205038**

RNASE6 (NM_005615) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNASE6 (NM_005615) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RNASE6
Synonyms: RAD1; RNasek6; RNS6
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205038 representing NM_005615
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGCTATGCTTTCCTCTTCTTTACTGCTGCTGGTCTATGGGGACCAGTGTGTCCACTTCATGCTT
 GGCCTAAGCGTCTACCAAGGCTCACTGGTTTGAATTGAAATTCAGCATATACAGCCAAGTCTCTCCAATGCAA
 CAGGGCAATGAGTGGCATCAACAATTATACCCAGCACTGAAGCATCAAATACCTTTCTGCATGACTCT
 TTCCAGAATGTGGCTGCTGTCTGTGATTGCTCAGCATTGTCTGCAAAAATCGTCGGCACAACTGCCACC
 AGAGCTCAAAGCCTGTCAACATGACTGACTGCAGACTCACTTCAGGAAAGTATCCCCAGTGCCGCTATAG
 TGCTGCTGCCAGTACAATTCTCATTGTTGCCTGTGACCCCTCAGAAGAGCGATCCCCCTACAAG
 TTGGTTCCTGTACTTATAGTATTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205038 representing NM_005615
 Red=Cloning site Green=Tags(s)

MVLCFPLLLLLLVLWGPVCPHAWPKRLKAHWFEIQHIQPSPLQCNRAMSGINNYTQHCKHQNTFLHDS
 FQNVAAVCDLLSIVCKNRRHNCHQSSKPVNMTDCRLTSGKYPQCRYSAAYKFFIVACDPPQKSDPPYK
 LVPVHLDLSIL

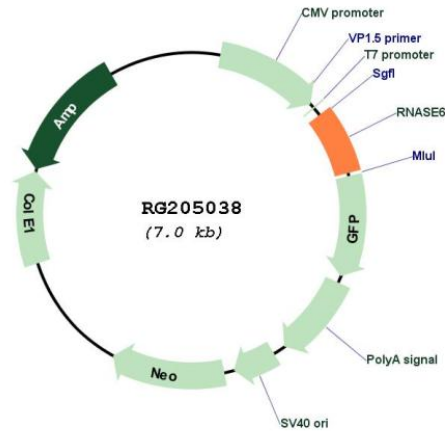
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_005615

ORF Size: 450 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:	<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_005615.5</u>
RefSeq Size:	1090 bp
RefSeq ORF:	453 bp
Locus ID:	6039
UniProt ID:	<u>Q93091</u>
Cytogenetics:	14q11.2
Domains:	RNAse_Pc
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	The protein encoded by this gene is a member of the ribonuclease A superfamily and functions in the urinary tract. The protein has broad-spectrum antimicrobial activity against pathogenic bacteria. [provided by RefSeq, Nov 2014]