

Product datasheet for **RG236044**

RNASE4 (NM_001282193) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNASE4 (NM_001282193) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RNASE4
Synonyms: RAB1; RNS4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236044 representing NM_001282193.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCTGCAGAGGACCCATTCATTGCTTCTGCTTTTGTGCTGCTGACCCTGCTGGGGCTGGGGCTGGTC
CAGCCCTCCTATGGCCAGGATGGCATGTACCAGCGATTCTCGGCAACACGTGCACCCTGAGGAGACA
GGTGGCAGTGATCGCTACTGCAACTTGATGATGCAAAGACGGAAGATGACTTTGTATCACTGCAAGCGC
TTCAACACCTTCATCCATGAAGATATCTGGAACATTCGTAGTATCTGCAGCACCACCAATATCCAATGC
AAGAACGGCAAGATGAAGTCCATGAGGGTGTAGTGAAGGTCACAGATTGCAGGGACACAGGAAGTTCC
AGGGCACCAACTGCAGATATCGGGCCATAGCGAGCACTAGACGTGTTGTCATTGCTGTGAGGGTAAC
CCACAGGTGCCTGTGCACTTTGACGGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236044
Blue=ORF Red=Cloning site Green=Tag(s)

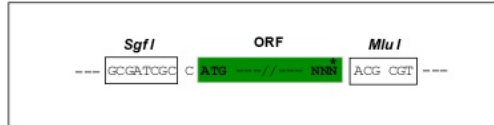
```
MALQRTHSLLLLLLLTLLGLGLVQPSYQDGMVQRFLRQHVHPEETGGSDRYCNLMMQRRKMTLYHCKR
FNTFIHEDIWNIRSIICSTTNIQCKNGKMNCHGVVKTDCRDTGSSRAPNCRYRAIASTRRVVIAACEGN
PQVPVHFDG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:

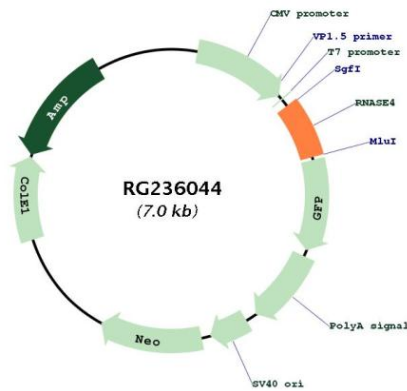
Cloning sites used for ORF Shutting:



- ACCN:** NM_001282193
- ORF Size:** 441 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).
- RefSeq:** [NM_001282193.2](#)
- RefSeq Size:** 1746 bp
- RefSeq ORF:** 444 bp
- Locus ID:** 6038
- UniProt ID:** [P34096](#)
- Cytogenetics:** 14q11.2
- Protein Families:** Secreted Protein, Transmembrane
- MW:** 16.8 kDa

Gene Summary:

The protein encoded by this gene belongs to the pancreatic ribonuclease family. It plays an important role in mRNA cleavage and has marked specificity towards the 3' side of uridine nucleotides. Alternative splicing results in four transcript variants encoding the same protein. This gene and the gene that encodes angiogenin share promoters and 5' exons. Each gene splices to a unique downstream exon that contains its complete coding region. [provided by RefSeq, Aug 2013]

Product images:


Circular map for RG236044