

## Product datasheet for **RG208746**

### Ribonuclease T2 (RNASET2) (NM\_003730) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ribonuclease T2 (RNASET2) (NM_003730) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ribonuclease T2
Synonyms:	bA514O12.3; RNASE6PL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208746 representing NM_003730 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCCCTGCAGCCCTGCGCGGGGCCCTGCTGGGCTGCCTCTGCCTGGCGTTGCTTTGCCTGGCGGTG  
CGGACAAGCGCCTGCGTGACAACCATGAGTGGAAAACTAATTATGGTTCAGCACTGGCCTGAGACAGT  
ATGCGAGAAAATCAAACGACTGTAGAGACCCTCCGGATTACTGGACAATACATGGACTATGGCCCGAT  
AAAAGTGAAGGATGTAATAGATCGTGGCCCTTCAATTTAGAAGAGATTAAGGATCTTTGCCAGAAATGA  
GGGCATACTGGCCTGACGTAATCACTCGTTTCCAATCGCAGCCGCTTCTGGAAGCATGAGTGGGAAAA  
GCATGGGACCTGCGCCGCCAGGTGGATGCGCTCAACTCCAGAAGAAGTACTTTGGCAGAAGCCTGGAA  
CTCTACAGGGAGCTGGACCTCAACAGTGTGCTTCTAAAATTGGGGATAAAAACCATCCATCAATTACTACC  
AAGTTGCAGATTTTAAAGATGCCCTTGCCAGAGTATATGGAGTGATACCCAAAATCCAGTGCCTTCCACC  
AAGCCAGGATGAGGAAGTACAGACAATTGGTCAGATAGAAGTGTGCCTCACTAAGCAAGACCAGCAGCTG  
CAAACTGCACCGAGCCGGGGAGCAGCCGTCCCCAAGCAGGAAGTCTGGCTGGCAAATGGGGCCGCCG  
AGAGCCGGGTCTGAGAGTCTGTGAAGATGGCCAGTCTTCTATCCCCACCTAAAAGACCAAGCAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208746 representing NM\_003730  
 Red=Cloning site Green=Tags(s)

MRPAALRGALLGCLCLALLCLGGADKRLRDNHEWKKLIMVQHPETVCEKIQNDCRPPDYWTIHGLWPD  
 KSEGCNRSWPFNLEEIKDLLPEMAYWPDVIHSFPNRSRFWKHEWEKHGTCAAQVDALNSQKKYFGRSLE  
 LYRELDLNSVLLKLGIKPSINYQVADFKDALARVYGVIPKIQCLPPSQDEEVQITIGQIELCLTKQDQQL  
 QNCTEPGEQPSPKQEVWLANGAAESRGLRVCEDGPVFYPPPKTKH

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003730

**ORF Size:** 768 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\\_003730.6](#)

**RefSeq Size:** 1298 bp

**RefSeq ORF:** 771 bp

**Locus ID:** 8635

**UniProt ID:** [O00584](#)

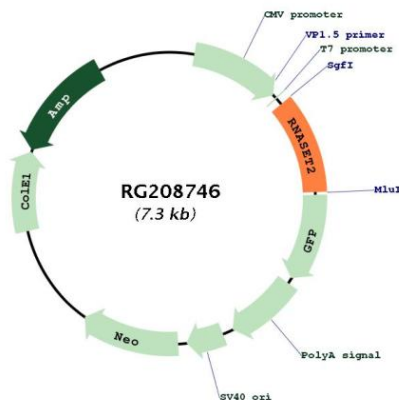
**Cytogenetics:** 6q27

**Domains:** ribonuclease\_T2

**Protein Families:** Secreted Protein

**Gene Summary:** This ribonuclease gene is a novel member of the Rh/T2/S-glycoprotein class of extracellular ribonucleases. It is a single copy gene that maps to 6q27, a region associated with human malignancies and chromosomal rearrangement. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG208746