

Product datasheet for **RG215855**

RNS10 (RNASE10) (NM_001012975) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNS10
Synonyms:	RAH1; RNASE9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215855 representing NM_001012975
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAGCTGAATCTGGTGCAGATCTTTTTCATGTTGCTGATGCTGCTGCTGGGCCTGGGGATGGGCCTGG
GGTTGGGACTTCATATGGCTACAGCAGTCTTGGAGGAGAGTGATCAACCGCTCAATGAATTTTGGTCCAG
TGACTCACAGGACAAAGCTGAGGCCACTGAGGAGGGAGACGGCACCCAAACACAGAAACGCTGGTGCTT
AGCAACAAAGAAGTGGTGCAACCTGGCTGGCCAGAAGATCCCATCTCGGTGAAGATGAGGTTGGGGTA
ACAAGATGCTCAGAGCCTCAGCTCTCTTTCAGAGCAACAAAGACTATCTTAGGCTTGACCAGACAGATAG
AGAATGCAATGATATGATGGCACACAAGATGAAGGAGCCAGTCAGAGTTGCATAGCCAGTATGCATT
ATCCATGAGGATCTAAACACAGTCAAAGCTGTCTGTAAACAGTCCTGTATTGCCTGTGAGCTCAAGGGG
GAAAAATGTCACAAAGCTCCCGACCTTTTGATTTGACATTGTGCGAGCTGTCCAACAGACCAGGTCAC
TCCTAACTGCAATTACCTAACTTCTGTTATAAAAAAGCACATTATTATAACCTGTAATGACATGAAGCGC
CAGTTACCAACTGGACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215855 representing NM_001012975
Red=Cloning site Green=Tags(s)

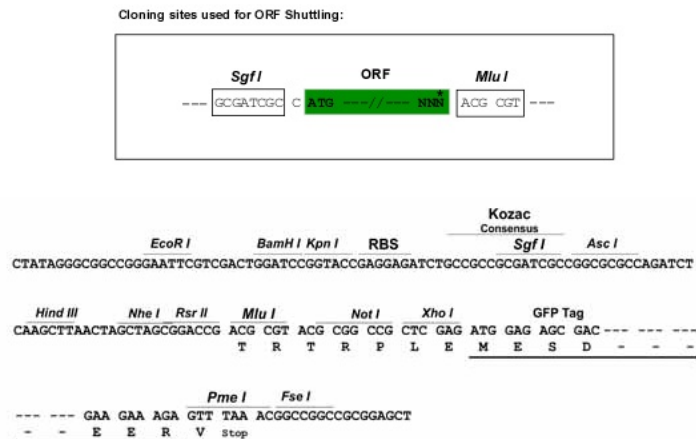
MKLNLVQIFFMILLMLLLGLGMGLGLGHMATAVLEESDQPLNEFWSSDSQDKAEATEEGDGTQTETLVL
SNKEVVQPGWPEDPILGEDEVGKNMLRASALFQSNKDYLRDQTDRECNMMAHKMKEPSQSCIAQYAF
IHEDLNTVKAVCNSPVIACELKGGKCHKSSRPFDLTLCELSOPDQVTPNCNYLTSVIKKHIIITCNMVKR
QLPTGQ

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001012975

ORF Size: 648 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:

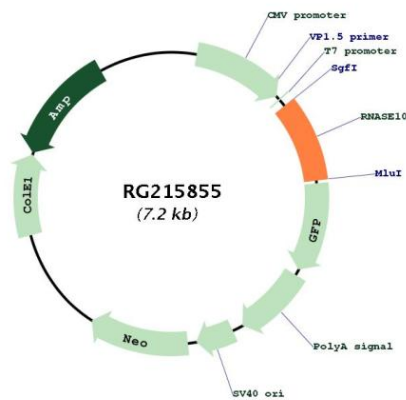
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [NM_001012975.2](#)

RefSeq Size:	651 bp
RefSeq ORF:	651 bp
Locus ID:	338879
UniProt ID:	Q5GAN6
Cytogenetics:	14q11.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	Secreted proximal epididymal protein required for post-testicular sperm maturation and male fertility. May be involved in sperm adhesion to the egg zona pellucida. Does not have ribonuclease activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215855