

Product datasheet for **RG220551**

Renalase (RNLS) (NM_018363) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Renalase (RNLS) (NM_018363) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNLS
Synonyms:	C10orf59; RENALASE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG220551 representing NM_018363 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAGGTGCTGATCGTGGGCGCCGGGATGACAGGAAGCTTGTGCGCTGCGCTGCTGAGGAGGCAGAC
CGTCCGGTCCCTTGACCTTGCTGTGTGGGACAAGGCTGAGGACTCAGGGGAAGAATGACTACAGCCTG
CAGTCCTCATAATCCTCAGTGACAGCTGACTTGGGTGCTCAGTACATCACCTGCACTCCTCATTATGCC
AAAAACACCAACGTTTTATGATGAAGTGTAGCCTATGGCGTTTTGAGGCCTAAGCTCGCCTATTG
AAGGAATGGTGTGAAAGAAGGAGACTGTAACCTTGTGGCACCTCAAGGAATTTCTCAATTATTAAGCA
TTACTTGAAAGAATCAGGTGCAGAAGTCTACTTCAGACATCGTGTGACACAGATCAACCTAAGAGATGAC
AAATGGGAAGTATCCAAACAAACAGGCTCCCCTGAGCAGTTTGATCTTATTGTTCTCACAATGCCAGTTC
CTGAGATTCTGCAGCTTCAAGGTGACATCACACCTTAATTAGTGAATGCCAAAGGCAGCAACTGGAGGC
TGTGAGCTACTCCTCTCGATATGCTCTGGGCTCTTTATGAAGCTGGTACGAAGATTGATGTCCCTTGG
GCTGGGCAGTACATCACCAAGTAAATCCCTGCATACGCTTCGCTCCATTGATAATAAGAAGCGCAATATAG
AGTCATCAGAAATGGGCCTTCCCTCGTGATTCACACCACTGTCCATTTGGAGTTACATACTTGGAAACA
CAGCATTGAGGATGTGCAAGAGTTAGTCTTCCAGCAGCTGGAAAACATTTGCCGGTTTTGCCTCAGCCA
ATTGCTACCAAATGCCAAAATGGAGACATTCACAGGTACCAAGTCTGGTGTGATTCTAGGATGTGCGA
AGAGCCCTGGATGATGGCGATTGGATTCCCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG220551 representing NM_018363
 Red=Cloning site Green=Tags(s)

MAQVLIVGAGMTGSLCAALLRRQTSGPLYLAVWDKAEDSGGRMTTACSPHNPQCTADLGAQYITCTPHYA
 KKHQRFYDELLAYGVLRLPLSSPIEGMVMKEGDCNFVAPQGISSIIKHYLKESGAEVYFRHRVTQINLRDD
 KWEVSKQTGSPEQFDLIVLTMPVPEILQLQGDITTLISECQRQQLAVSYSSRYALGLFYEAGTKIDVPW
 AGQYITSNPCIRFVSIIDNKKRNIESSEIGPSLVIHTTVPFGVTYLEHSIEDVQELVFQQLLENILPGLPQP
 IATKCQKWRHSQVPSAGVILGCAKSPWMMIAIGFPI

TRTRPLE - GFP Tag - V

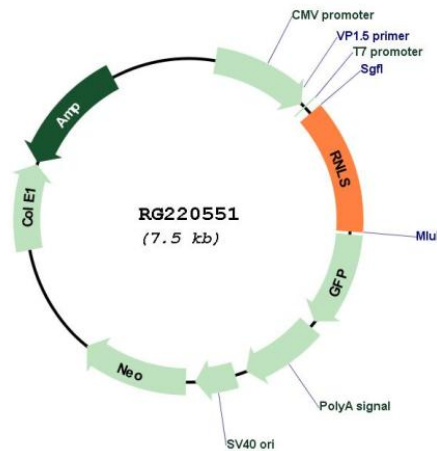
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_018363

ORF Size: 945 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:	NM_018363.3
RefSeq Size:	2107 bp
RefSeq ORF:	948 bp
Locus ID:	55328
UniProt ID:	Q5VYX0
Cytogenetics:	10q23.31
Protein Families:	Secreted Protein
Gene Summary:	Renalase is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney (Xu et al., 2005 [PubMed 15841207]).[supplied by OMIM, Mar 2008]