

Product datasheet for **RG203725**

RTDR1 (RSPH14) (NM_014433) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RTDR1 (RSPH14) (NM_014433) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RTDR1
Synonyms:	RTDR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203725 representing NM_014433 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATTCCCAAGCTCCTTGGAGCTTCCCATTAACATCAATGCCACCCAGATTACCACTGCCTATG
 GCCATCGGGCCCTGCCAAGCTGAAGGAGGAGCTGCAGTCAGAGGACCTCCAGACGAGGCAGAAAGCCCT
 CATGGCCCTGTGTGACCTCATGCATGACCCGAGTGTATCTACAAGGCCATGAACATAGGCTGTATGGAG
 AACCTGAAAGCTTTGCTGAAGGATAGCAACAGTATGGTGGCATAAAGACCACCGAGGTGCTCCACATCA
 CGCAAGCCATAGCGTGGGCAGATACGCCCTTTCTAGAGCAGACATCGTCCTTGCCTGTCCTTCTGCT
 GAATGACCCAGCCAGTCTGCCGGGGAACTGTACAAGGCATACATGCAGCTGGTCCAGGTGCCTAGA
 GGGGCCCAAGAGATCATCAGCAAAGGTCTGATTTCTCACTGGTATGGAAGCTGCAGGTGGAGGTGGAGG
 AGGAGGAGTTCAGGAGTTCATCCTGGACACACTGGTCTCTGCCTGCAGGAGGATGCCACCGAGGCCCT
 GGGCAGCAATGTGGTGTGTCTGAAGCAGAAGCTCCTCAGCGCAACCCAGAACATCCGCAGCAAGGCC
 GCCCGTGCCTCCTTAATGTGAGCATATCTCGAGAGGGCAAGAACAGGTGTGTCATTTTACGTCATCC
 CCATCCTGGTCCATCTGCTGAAAGACCCAGTGGAGCATGTGAAGTCTAACGCTGCCGTGCCCTGATGTT
 CGCCACAGTGATCACTGAAGGGAAGTATCGGCCCTGGAGGCACAAGCCATCGGCCTGCTCCTGGAGCTG
 CTGCACTCCCCATGACCATAGCGCGCTGAATGCCACCAAGGCCCTTACCATGCTGGCAGAGGCCCCCG
 AGGGCCGCAAGGCCCTGCAGACGCACGTGCCCACTTTCCGTGCCATGGAGGTGGAGACTTACGAAAGCC
 TCAAGTGCCGAAGCCTTACAGCGGGCAGCCCGGATCGCCATCAGTGTCATCGAGTTCAAACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

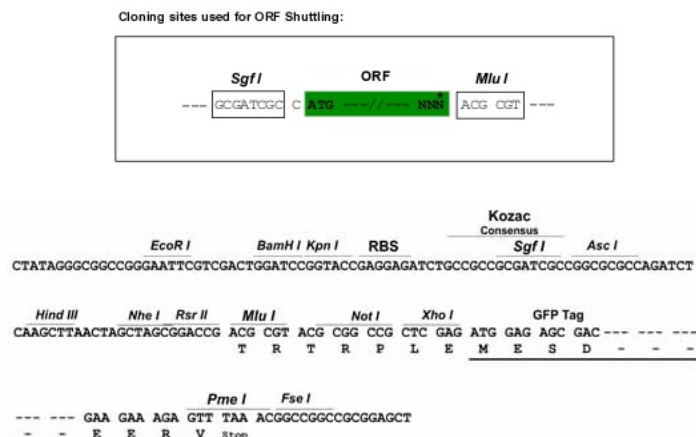
Protein Sequence: >RG203725 representing NM_014433
 Red=Cloning site Green=Tags(s)

MAHSQNSLELPININATQITTAYGHRALPKLKEELQSEDLQTRQKALMALCDLMHDPECIYKAMNIGCME
 NLKALLKDSNSMVRITTEVLHITASHSVGRYAFLEHDI LAL SFL LNDPSPVCRGNLYKAYMQLVQVPR
 GAQEIIISKGLISSLVWKLQVEVEEEEFQEFILDTLVLCQEDATEALGSNVVLVLKQKLLSANQNIRSKA
 ARALLNVSISREGKKQVCHFDVIPILVHLLKDPVEHVKSNAAGALMFATVITEGKYAALEAQAIGLLEL
 LHSPMTIARLNATKALTMLAEAPEGRKALQTHVPTFRAMEVETYEKPQVAEALQRAARIAISVIEFKP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014433

ORF Size: 1044 bp

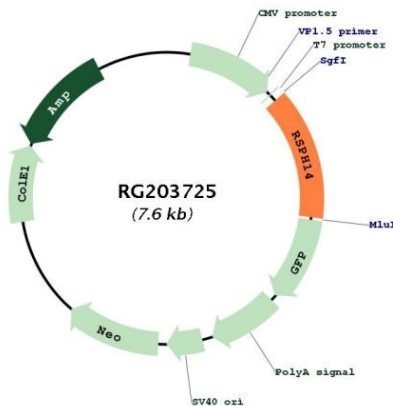
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_014433.1</u>
RefSeq Size:	1286 bp
RefSeq ORF:	1047 bp
Locus ID:	27156
UniProt ID:	<u>Q9UHP6</u>
Cytogenetics:	22q11.22-q11.23
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein with no known function but with slight similarity to a yeast vacuolar protein. The gene is located in a region deleted in pediatric rhabdoid tumors of the brain, kidney and soft tissues, but mutations in this gene have not been associated with the disease. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203725