

Product datasheet for **RG207741**

RUFY2 (NM_001042417) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RUFY2 (NM_001042417) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RUFY2
Synonyms:	RABIP4R; ZFYVE13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207741 representing NM_001042417 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACAAAAGACCCACAGCTGTAGAGAGAGCAAACCTGTTAAACATGGCTAAACTGAGTATCAAAG
GACTCATTGAATCTGCTCTGAGCTTTGGCCGCACTTTGGATTCTGACTATCCCCCTGCAGCAATTCTT
TGTTGTTATGGAACATTGCCTGAAACACGGTCTTAAAGTAAGAAAATCATTTTTGAGTTACAACAAAACC
ATCTGGGGCCCTTTGAACTGGTGGAGAAGCTGTACCCGAAGCAGAGGAAATAGGAGCTAGTGTCCGGG
ATCTACCTGGTCTGAATGAGTTTTATGAGTATCACGCACTAATGATGGAAGAAGAAGGAGCAGTAATTGT
TGGGCTGCTGGTTGGCCGAATGTGATCGATGCTAATCTGTGTGTAAGGGAGAGGATTTAGACTCACAA
GTTGGAGTGATTGATTTTTCTATGTATTTAAAGAATGAAGAAGATATTGGAAATAAAGAAAGGAATGTT
AAATTGCTGCCATATTAGACAAAAGAATTATGTTGAAGAATTAATAGACAACCTGAACAGCACAGTCAG
CAGCCTCCATTCAAGAGTTGATTCATTAGAAAAGTCAAATACTAAGCTGATTGAAGAGTTAGCAATAGCA
AAGAATAACATCATTAACTCCAGGAAGAAAATCATCAATTACGAAGTAAAAATAAATTGATTTTTAATGA
AAACACAGCAGCACCTAGAGGTTACCAAAGTAGATGTGGAACCTGAGCTTCAAACATATAAGCATTCTCG
TCAGGGGCTAGATGAAATGTACAATGAAGCCAGAAGGCAGCTTCGAGATGAATCTCAGTTACGACAGGAT
GTAGAGAATGAGCTAGCAGTACAAGTTAGTATGAAGCATGAGATTGAACCTGCCATGAAGTTGCTGGAGA
AAGATATCCATGAGAAACAAGATACTCTGATAGGCCTTCGACAACAACCTAGAGGAAGTTAAAGCAATTAA
CATAGAGATGTATCAAAAAGTTGCAGGGTCTGAAGATGGCTTGAAGAAAAAATAAATAATTGCCGA
CTAGAAGAAAAACCAATAAAATTAAGTGCAGCCATGAGGCAGCTGGAACAAAAGTACAACGATTTGTTAA
CTCAAACCTAGGACAATTGCAATGTCATTGGTGAATGTGCCAGCAGTGACACGCAGGACCAGTACAAGCT
GGTTAAAGATATATCTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG207741 representing NM_001042417
 Red=Cloning site Green=Tags(s)

MATKDPTAVERANLLNMAKLSIKGLIESALSFGRTLDSYPLQQFFVVMHCLKHGLKVRKSFLSYNKT
 IWGPLELVEKLYPEAEEIGASVRDLPGLNEFYEHALMEEEGAVIVGLLVGLNVIDANL CVKGEDLDSQ
 VGVIDFSMYLKNEEDIGNKERNVQIAAILDQKNYVEELNRQLNSTVSSLHSRVDLSLEKSNTKLEELAIA
 KNNIIKIQEENHQLRSENKILMKTQQHLEVTKVDVETELQTYKHSRQGLDEMYNEARRQLRDESQRQD
 VENELAVQVSMKHEIELAMKLEKDIHEKQDTLIGLRQQLEEVKAINIEMYQKLQGSSEDGLKEKNEIIAR
 LEEKTNKITAAMRQLEQSDNDLLTQTRTIAMSLVKCASSDTQDQYKLVKDISF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001042417

ORF Size: 1209 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_001042417.1](#), [NP_001035882.1](#)

RefSeq Size: 2696 bp

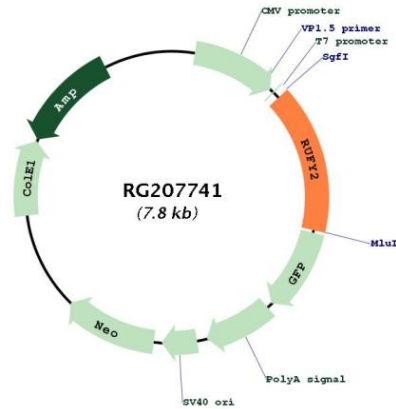
RefSeq ORF: 1212 bp

Locus ID: 55680

UniProt ID: [Q8WXA3](#)

Cytogenetics: 10q21.3

Product images:



Circular map for RG207741