

Product datasheet for **RG204829**

RNF25 (NM_022453) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNF25
Synonyms:	AO7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG204829 representing NM_022453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCGTCTGCGTCTGCAGCTGCAGGGGAGGAGGACTGGGTCTTCCCTCTGAAGTTGAAGTATTGG
 AGTCCATCTATCTAGATGAACACAGGTGATTAAGGAAATGGCAGAACTTACCATGGGAGATCTACAT
 CACTTTGCATCCTGCCACTGCAGAGGACCAGGATTACAGTATGTCTGCTTCACTCTGGTGTTCAGGTC
 CCAGCAGAGTATCCCCATGAGGTGCCACAGATCTATCCGAAATCCCCGAGGACTTTCAGATGAACAGA
 TCCACACGATCTTACAGGTGCTGGGCCAGTGGCCAAGGCTGGGCTGGGCACTGCCATGTGTATGAAC
 CATTGAGAAAGGGAAGGAAATCTCACAGATAACAACATCCCTCATGGCCAGTGTGTATCTGCCTCTAT
 GGTTTCCAGGAGAAGGAGGCTTTACAAAACACCCTGTTACCACTACTTCCACTGCCACTGCCTTGCTC
 GGTACATCCAGCACATGGAGCAAGAGCTGAAGGCACAAGGACAGGAGCAGGAACAGGAACGGCAGCATGC
 TACAACCAACAGAGGAGTGGTGTGAGTGTCCAGTGTGCAGAGAGCCCCCTGTGTATGATCTTGCC
 TCACTGAAAGCAGCCCCGAAACCCCAACAGCCCATGGAGCTGTACCAGCCAGTGCAGAGAGCTTGCGCC
 AGCAAGAAGAACGCAAGCGGCTCTACCAGAGGAGCAGGAGCGGGGGGAATCATTGACCTTGAGGCTGA
 GCGAAACCGATACTTCATCAGCCTTACAGAGCTCCTGCCCTGCGGAACCTGAGTCAGCTGTAGATGTC
 TCCAAAGGATCCCAACCCAGCACCCTTGACAGCAACTATCCACCTCACCAGCCGTCCAATCCACTT
 TGCCACCTCCTCTGCCTGTGGCGACCCAGCACATATGTGAGAAGATTCCAGGGACCAGGTCAAATCAGCA
 AAGTTTGGGCGAAACCCAGAAAGCTATGCTAGATCCCCCAAGCCAGTCGAGGTCCCTGGCGACAGCCC
 GAACGGAGGACCCAAAGGGAGGGGAGTGCACGCCCCCTAAAGGTACCCGTGACACCCAGGAAGTCCAC
 CTCCTGAGGGCCCCCTCAAGGAGCCCATGGACCTAAAGCCAGAACCCATAGCCAAGGAGTTGAAGGTCC
 TCCACAAGAGAAGGGGCTGGCAGCTGGCAGGGGCCCCACCCCGCAGGACTCGGGACTGTGTTCTGCTGG
 GAGCGCTCTAAAGGCCGACACCCGGTTCTTCTACCTCGCTGCCTCGGGGCCAGGGAGCATACCGGC
 CTGGTACTCGGAGGAGTCCCTGGGCTGGAATCTAAGGATGGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204829 representing NM_022453
 Red=Cloning site Green=Tags(s)

MAASASAAAGEEDWVLPSEVEVLESYIYLDLQVIKNGRTSPWEIYITLHPATAEDQDSQYVCFLLVLQV
 PAEYPHEVPQISIRNPRGLSDEQIHTILQVLGHVAKAGLTAMLYELIEKGKEILDNNIPHGQCVICLY
 GFQKEAFTKTPCYHYFHCHCLARYIQHMEQELKAQGGQEERQHATTQKAVGVQCPVCREPLVYDLA
 SLKAAPEPQPMELYQPSAELRQQEERKRLYQRQQERGGIIDLEAERNRYFISLQQPPAPAEPESAVDV
 SKGSQPPSTLAAELSTSPAVQSTLPPPLPVATQHICEKIPGTRSNQRLGETQKAMLDPPKPSRGPWRQP
 ERRHPKGGECHAPKGTRDTQELPPPEGPLKEPMDLKPEPHSQGVGPPQEKGPQSWQPPPRTRDCVRW
 ERSKGRTPGSSYPRLPRQGAYRPGTRRESLGLESKDGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022453

ORF Size: 1377 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_022453.3](#)

RefSeq Size: 1566 bp

RefSeq ORF: 1380 bp

Locus ID: 64320

UniProt ID: [Q96BH1](#)

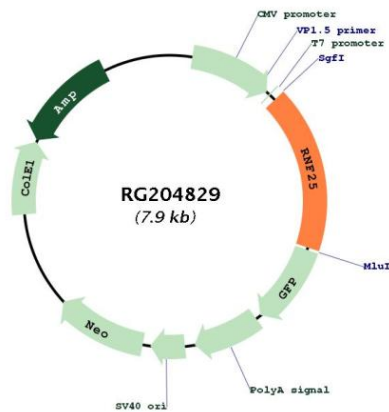
Cytogenetics: 2q35

Domains: RING, RWD

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene contains a RING finger motif. The mouse counterpart of this protein has been shown to interact with RelA, the p65 subunit of NF-kappaB (NFKB), and modulate NFKB-mediated transcription activity. The mouse protein also binds ubiquitin-conjugating enzymes (E2s) and is a substrate for E2-dependent ubiquitination. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204829