

Product datasheet for **RG210706**

RNF130 (NM_018434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF130 (NM_018434) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF130
Synonyms:	G1RP; G1RZFP; GOLIATH; GP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210706 representing NM_018434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGTGC GCGGGGCGGGCCCTGCCGGCTCGCGCGCTCGCCCTGCTGACCTGCAGCCTGTGGC
 CGGCACGGGCAGACAACGCGAGCCAGGAGTACTACACGGCGCTCATCAACGTGACGGTGCAGGAGCCCGG
 CCGCGGCGCCCGCTCACGTTTCGCATCGACCGGGCGCTACGGGCTTGACTCCCCAAGGCCGAGGTC
 CGCGGCCAGGTGCTGGCGCCGCTGCCCTCCACGGAGTTGCTGATCATCTGGGCTGTGATCCACAAACCC
 GGTTCCTTGTCCCTCCTAATATCAAACAGTGGATTGCCTTGCTGCAGAGGGGAACTGCACGTTTAAAGA
 GAAATATCACGGGCCGCTTCCACAATGCAGTTGCTGTAGTCATCTACAATAATAAATCCAAAGAGGAG
 CCAATTACCATGACTCATCCAGGCACTGGAGATATTATTGCTGTCATGATAACAGAATTGAGGGTAAGG
 ATATTTTGTGTTATCTGGAGAAAAACATCTCTGTACAAATGACAATAGCTGTTGGAATCGAATGCCACC
 GAAGAACTTCAGCCGTGGCTCTCTAGTCTTCGTGTCAATATCCTTTATTGTTTTGATGATTATTTCTTCA
 GCATGGCTCATATTCTACTTCATTCAAGATCAGGTACACAAATGCACGCGACAGGAACCGAGTCGTC
 TCGGAGATGCAGCCAAGAAAGCCATCAGTAAATTGACAACAGGACAGTAAAGAAGGGTGACAAGGAAAC
 TGACCCAGACTTTGATCATTGTGCAGTCTGCATAGAGAGCTATAAGCAGAATGATGTCGTCCGAATTCCTC
 CCCTGCAAGCATGTTTTCCACAAATCCTGCGTGGATCCCTGGCTTAGTGAACATTGTACCTGTCCTATGT
 GCAAACTTAATATATTGAAGGCCCTGGGAATTGTGCCGAATTTGCCATGTACTGATAACGTAGCATTTCGA
 TATGGAAGGCTCACCAGAACCAAGCTGTTAACCAGGATCAGCCCTCGCGACCTCGCGGCGACAAC
 TCCCTTGGCCTTGAGCCACTTCGAATTCGGGGATCTCACCTCTTCTCAGGATGGGGAGCTCACTCCGA
 GAACAGGAGAAATCAACATTGCAGTAACAAAAGAATGGTTTATTATTGCCAGTTTGGCCTCCTCAGTGC
 CCTCACACTCTGCTACATGATCATCAGAGCCACAGCTAGCTTGAATGCTAATGAGGTAGAATGGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

Protein Sequence: >RG210706 representing NM_018434
 Red=Cloning site Green=Tags(s)

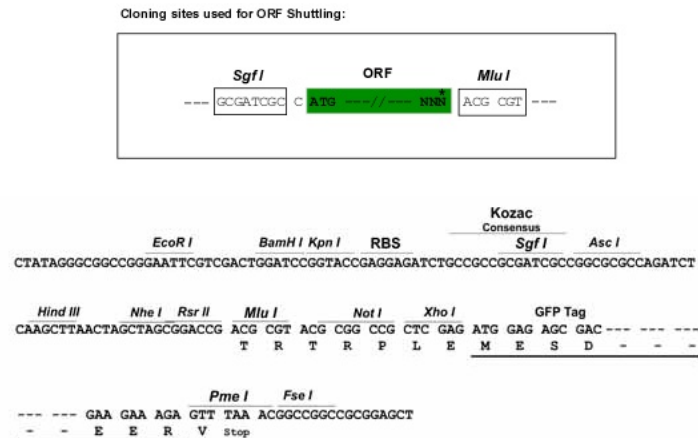
MSCAGRAGPARLAALALLTCSLWPARADNASQEYYTALINVTVQEPGRGAPLTFRIDRGRYGLDSPKAEV
 RGQVLAPLPLHGVADHLGCDPQTRFFVPPNIQWIALLRGNCTFKEKISRAAFHNAVAVVIYNNKSKEE
 PVTMTHPGTGDIIAVMITELRGKDILSYLEKNISVQMTIAVGTRMPPKNFSRGSFVFSISFIVLMISS
 AWLIFYFIQKIRYTNARDNRQRLGDAAKKAISKLTTRTVKKGDKETDPDFDHCAVCIESYKQNDVVRIL
 PCKHVFHKSCVDPWLSEHCTCPMCKLNILKALGI V PNL PCTDNVAFD MERL TRTQAVNRRSALGDLAGDN
 SLGLEPLRTSGISPLPQDGELTPRTGEINIAVTKEWFI IASFGLLSALTLCYMIIRATASLNANEVEWF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_018434

ORF Size: 1257 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_018434.6](#)

RefSeq Size: 1865 bp

RefSeq ORF: 1260 bp

Locus ID: 55819

UniProt ID: [Q86XS8](#)

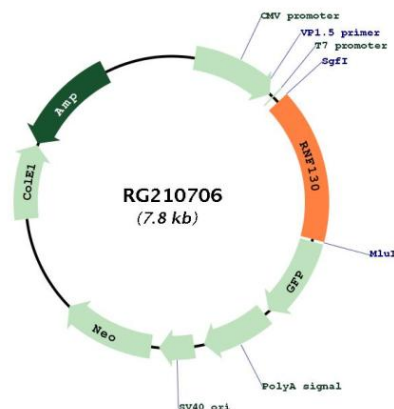
Cytogenetics: 5q35.3

Domains: RING

Protein Families: Druggable Genome, Transmembrane

Gene Summary: The protein encoded by this gene contains a RING finger motif and is similar to g1, a Drosophila zinc-finger protein that is expressed in mesoderm and involved in embryonic development. The expression of the mouse counterpart was found to be upregulated in myeloblastic cells following IL3 deprivation, suggesting that this gene may regulate growth factor withdrawal-induced apoptosis of myeloid precursor cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG210706