

Product datasheet for **RG209434**

RNF128 (NM_194463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF128 (NM_194463) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF128
Synonyms:	GRAIL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209434 representing NM_194463 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCCGCCTGGGGCCGGGTCTCTGCCCGGTGGTGC GGCTTTCCAGATTGCTGGCATGGT
GCTTCTGCTGGCCCTGAGTCCGCAGGCACCCGGTCCCGGGGGCTGAAGCAGTGTGGACCGGTACCT
CAACGTGTCTGGCGGTTCCGCACACGGGAGTGAACCGTACGGTGTGGAGCTGAGCGAGGAGGGCGTG
TACGGCCAGGACTCGCCGCTGGAGCCTGTGGCTGGGTCTGGTACCGCCGACGGGCCCGGGCGCTTA
ACGCCTGTAACCCGCACACGAATTCACGGTGCCACGGTTGGGGAAGCACCGTCAAGTCTCTGGTT
GGCCCTCATCAAACGCGCGGGGCTGCACCTTCGCAGACAAGATCCATCTGGCTTATGAGAGAGGGGCG
TCTGGAGCCGTACTTTAACTCCCGGGACCCGAATGAGGTCATCCCATGTCTACCCGGGTGCAG
TAGACATTGTTGCAATCATGATCGGCAATCTGAAAGGCACAAAAATCTGCAATCTATTCAAAGAGGCAT
ACAAGTGACAATGGTCATAGAAGTAGGGAAAAACATGGCCCTGGGTGAATCACTATTCAATTTTTTTC
GTTTCTGTGCTTTTTTATTATTACGGCGGCAACTGTGGGCTATTTTATCTTTTATTCTGCTCGAAGGC
TACGGAATGCAAGAGCTCAAAGCAGGAAGCAGAGGCAATTAAGGCAGATGCTAAAAAGCTATTGGAAG
GCTTCACTACGCACACTGAAACAAGGAGACAAGGAAATGGCCCTGATGGAGATAGTTGTGCTGTGTGC
ATTGAATTGTATAACCAAATGATTTGGTACGCATCTTAACGTCAACCATATTTCCATAAGACATGTG
TTGACCCATGGCTGTTAGAACACAGGACTTGCCCATGTGCAAAATGTGACATACTCAAAGCTTTGGGAAT
TGAGGTGGATGTTGAAGATGGATCAGTGTCTTTACAAGTCCCTGTATCCAATGAAATATCTAATAGTGCC
TCCTCCATGAAGAGGATAATCGCAGCGAGACCGCATCATCTGGATATGCTTCAGTACAGGGAACAGATG
AACCGCTCTGGAGGAACACGTGCAGTCAACAAATGAAAGTCTACAGCTGGTAAACCATGAAGCAAATTC
TGTGGCAGTGGATGTTATTCCTCATGTTGACAACCCAACTTTGAAGAAGACGAACTCCTAATCAAGAG
ACTGCTGTTGAGAAATTAATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209434 representing NM_194463
Red=Cloning site Green=Tags(s)

MGPPPGAGVSCRGGCGFSRLLAWCFLLALSPQAPGSRGAEAVWTA YLNVSWRVPHTGVNRTVWELSEEGV
 YGQDSPLPEPVAGLVVPPDGPALNACNPHTNFTVPTVWGSTVQVSWLALIQRGGGCTFADKIHLYERGA
 SGAVIFNFPGTRNEVIPMSHPGAVDIVAIMIGNLKGTKILQSIQRGIQVTMVEVGGKHPWVNHYSIFF
 VSVSFFIITAATVGYFIFYSARRLRNARAQSRKQRQLKADAKKAI GRLQLRTLKQGDKEIGPDGDSCAVC
 IELYKPNDLVRILT CNHIFHKTCVDPWLL EHRTPMCKCDILKALGIEVDVEDGSVSLQVPVSNEISNSA
 SSHEEDNRSETASSGYASVQGTDEPPLEEHVQSTNESLQLVNHEANSVAVDVIPVDNPTFEEDETPNQE
 TAVREIKS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_194463

ORF Size: 1284 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_194463.2](#)

RefSeq Size: 2851 bp

RefSeq ORF: 1287 bp

Locus ID: 79589

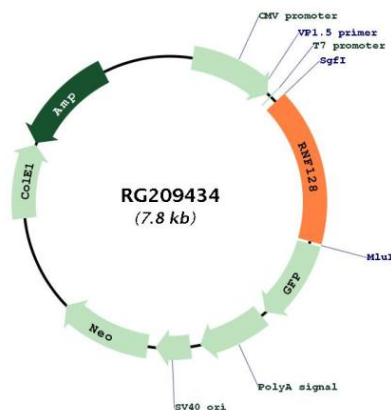
UniProt ID: [Q8TEB7](#)

Cytogenetics: Xq22.3

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a type I transmembrane protein that localizes to the endocytic pathway. This protein contains a RING zinc-finger motif and has been shown to possess E3 ubiquitin ligase activity. Expression of this gene in retrovirally transduced T cell hybridoma significantly inhibits activation-induced IL2 and IL4 cytokine production. Induced expression of this gene was observed in anergic CD4(+) T cells, which suggested a role in the induction of anergic phenotype. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209434