

Product datasheet for **RC209434**

RNF128 (NM_194463) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF128 (NM_194463) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RNF128
Synonyms:	GRAIL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC209434 representing NM_194463
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCCGCCCTGGGGCCGGGTCTCTGCCGCGGTGGCTGCGGCTTTCCAGATTGCTGGCATGGT
 GCTTCTGCTGGCCCTGAGTCCGCAGGCACCCGGTCCCGGGGGGCTGAAGCAGTGTGGACCGCGTACCT
 CAACGTGTCTGGCGGGTCCGCACACGGGAGTGAACCGTACGGTGTGGGAGCTGAGCGAGGAGGGCGTG
 TACGGCCAGGACTCGCCGCTGGAGCCTGTGGTGGGGTCTGGTACCGCCGACGGGCCCGGGCGCTTA
 ACGCCTGTAACCCGCACACGAATTTACGGTGCCACGGTTTGGGGAAGCACCGTCAAGTCTCTTGGTT
 GGCCCTCATCAAACGCGGGGGGCTGCACCTTCGCAGACAAGATCCATCTGGCTTATGAGAGAGGGGCG
 TCTGGAGCCGTACTTTAACTTCCCGGGACCCGAATGAGGTCATCCCATGTCTACCCGGGTGCAG
 TAGACATTGTTGCAATCATGATCGGCAATCTGAAAGGCACAAAAATCTGCAATCTATTCAAAGAGGCAT
 ACAAGTGACAATGGTCATAGAAGTAGGGAAAAACATGGCCCTTGGGTGAATCACTATTCAATTTTTTTC
 GTTCTGTGTCTTTTTTATTATTACGGCGGCAACTGTGGGCTATTTTATCTTTTATTCTGCTCGAAGGC
 TACGGAATGCAAGAGCTCAAAGCAGGAAGCAGAGGCAATTAAGGCAGATGCTAAAAAGCTATTGGAAG
 GCTTCAACTACGCACACTGAAACAAGGAGACAAGGAAATTTGGCCCTGATGGAGATAGTTGTGCTGTGTGC
 ATTGAATTGTATAAACCAATGATTTGGTACGCATCTTAACGTGCAACCATATTTTCCATAAGACATGTG
 TTGACCCATGGCTGTTAGAACACAGGACTTGCCCATGTGCAATGTGACATACTCAAAGCTTTGGGAAT
 TGAGGTGGATGTTGAAGATGGATCAGTGTCTTTACAAGTCCGTATCCAATGAAATATCTAATAGTGCC
 TCCTCCCATGAAGAGGATAATCGCAGCGAGACCGCATCATCTGGATATGCTTCAGTACAGGGAACAGATG
 AACCGCCTCTGGAGGAACACGTGCAGTCAACAAATGAAAGTCTACAGCTGGTAAACCATGAAGCAAATTC
 TGTGGCAGTGGATGTTATTCTCATGTTGACAACCAACCTTTGAAGAAGACGAAACTCCTAATCAAGAG
 ACTGCTGTTTCAGAAATTAATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209434 representing NM_194463
 Red=Cloning site Green=Tags(s)

MGPPPGAGVSCRGGCGFSRLLAWCFLLALSPQAPGSRGAEAVWTAAYLNVSWRVPHTGVNRTVWELSEEGV
 YGQDSPLEPVAGVLVPPDGPALNACNPHNTFTVPTVWGSTVQVSWLALIQRGGCTFADKIHLYERGA
 SGAVIFNFPGTRNEVIPMSHPGAVDIVAIMIGNLKGTKILQSIQRGIQVTMVEVGGKKGHPWVNHYSIFF
 VSVSFFIITAATVGYFIFYSARRLRNARAQSRKQRLKADAKKAIQRLQLRLLKQDKEIGPDGDSCAVC
 IELYKPNLVRILTCNHIFHKTCVDPWLEHRTCPMCKDILKALGIEVDVEDGSVSLQVPVSNEISNSA
 SSHEEDNRSETASSGYASVQGTDEPPLEEHVQSTNESLQLVNHEANSVAVDVIPHDNPTFEEDETPNQE
 TAVREIKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg2889_c01.zip

Restriction Sites:

Sgfl-Mlul

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](#)

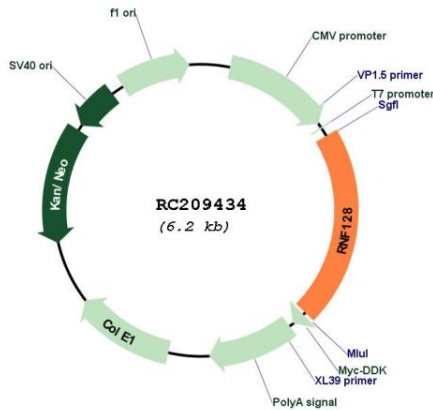
Cytogenetics: Xq22.3

Protein Families: Transmembrane

MW: 46.3 kDa

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 RC209434