

Product datasheet for **SC110628**

RNF128 (NM_194463) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF128 (NM_194463) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF128
Synonyms:	GRAIL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110628 sequence for NM_194463 edited (data generated by NextGen Sequencing)

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ATGGGGCCGCGCCTGGGGCCGGGTCTCCTGCCGCGGTGGCTGGCGCTTTTCCAGATTG
CTGGCATGGTGTCTTCTGCTGGCCCTGAGTCCGCAGGCACCCGGTTCCCGGGGGCTGAA
GCAGTGTGGACCGGTACCTCAACGTGTCTGGCGGGTCCGCACACGGGAGTGAACCGT
ACGGTGTGGGAGCTGAGCGAGGAGGGCGGTACGGCCAGGACTCGCCGCTGGAGCCTGTG
GCTGGGGTCTGGTACCGCCCGACGGGCCCGGGCGCTTAACGCCTGTAACCCGCACACG
AATTTACGGTGGCCACGGTTTGGGGAAGCACCGTGCAAGTCTCTTGGTTGGCCCTCATC
CAACGCGCGGGGGCTGCACCTTCGCAGACAAGATCCATCTGGCTTATGAGAGAGGGGCG
TCTGGAGCCGTATCTTTAACTTCCCGGACCCGCAATGAGGTCATCCCATGTCTCAC
CCGGGTGCAGTAGACATTGTTGCAATCATGATCGGCAATCTGAAAGGCACAAAAATTCTG
CAATCTATTCAAAGAGGCATACAAGTGACAATGGTCATAGAAGTAGGGAAAAAACATGGC
CCTTGGGTGAATCACTATTCAATTTTTTTCGTTTCTGTGTCTTTTTTATTATTACGGCG
GCAACTGTGGGCTATTTTATCTTTTATTCTGCTCGAAGGCTACGGAATGCAAGAGCTCAA
AGCAGGAAGCAGAGGCAATTAAGGCAGATGCTAAAAAGCTATTGGAAGGCTTCAACTA
CGCACACTGAAACAAGGAGACAAGGAAATTGGCCCTGATGGAGATAGTTGTGCTGTGTGC
ATTGAATTGTATAAACCAAAATGATTTGGTACGCATCTTAACGTGCAACCATATTTTCCAT
AAGACATGTGTTGACCCATGGCTGTTAGAACACAGGACTTGCCCATGTGCAAATGTGAC
ATACTCAAAGCTTTGGGAATTGAGGTGGATGTTGAAGATGGATCAGTGTCTTTACAAGTC
CCTGTATCCAATGAAATATCTAATAGTGCTCCTCCCATGAAGAGGATAATCGCAGCGAG
ACCGCATCATCTGGATATGCTTACAGTACAGGGAACAGATGAACCGCCTCTGGAGGAACAC
GTGCAGTCAACAAATGAAAGTCTACAGCTGGTAAACCATGAAGCAAATCTGTGGCAGTG
GATGTTATTCCTCATGTTGACAACCAACCTTTGAAGAAGACGAAACTCCTAATCAAGAG
ACTGCTGTTCCGAGAAATTAATCTTAA
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Clone variation with respect to NM_194463.1



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_194463 unedited
 NAAGTTAGAATTTGTATACGACTCACTATAGGCGGCCGCAATTCGCACCAGGCAGCCG
 CCGTAGCGGAGAAGACTGGAGCTCCGAGGAGCTGCATCTGCGGCAACCTGTGTGCTGACG
 CTACGTGCCTCCTGGCTCCGACGTAGCTCGCAGCTCCCCAGTCTCACTCCATTCCCTCCC
 CACCTGGCGCGCACCTGCTCAAGAACAGGGTCTGCCAAGCGCTAGGAGGGCGCGTGCCA
 GGGGCGCTAGGGAAGTGGGAGCGCGCGCCATGGGGCCGCGCCTGGGGCCGGGGTCT
 CCTGCCGCGTGGCTGCGGCTTTTCCAGATTGCTGGCATGGTGCTTCTGCTGGCCCTGA
 GTCCGCAGGCACCCGTTCCCGGGGGCTGAAGCAGTGTGGACCGGTACCTCAACGTGT
 CCTGGCGGGTTCCGCACACGGGAGTGAACCGTACGGTGTGGGAGCTGAGCGAGGAGGGCG
 TGTACGGCCAGGACTCGCCGCTGGAGCCTGTGGCTGGGGTCTGGTACCGCCCGACGGGC
 CCGGGGCGCTAACGCCTGTAACCCGCACACGAATTTACGGTGGCCACGGTTTGGGGAA
 GCACCGTGCAAGTCTCTTGGTTGGCCCTCATCCAACGCGCGGNGGCTGCACCTTCGCAG
 ACAAGATCCATCTGGCTTATGAGAGAGGGGCGTCTGGAGCCGTACTNTAACTTCCCCG
 GGACCCCGCAATGAGTCATCCNATGTCTACCCGGGTGCAGTAGACATTGGTTGCATCA
 TGATCGGGCATCTGAAGGCACANNAATCTGCATCTATTCAAGAGCATAACAGTGACATGGT
 CATANAAGTAGGAAAACATGGCCCTGGTATCACTATCATNNTTCGNTCTGNGCCTTTTT
 ATATTACGCGCACTGTGGCTTTTACTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_194463 unedited
 AAGNANNATCAATACAAATTGGGNCATATTTACAGCATTTCAAATCAGTGTACAAGAATG
 CAATGGTTTCATCCATTCAGCAAACAAAATACATGTCTGTTTTATTTTTGCCTAAATTCT
 GCTATAATTTGAACAAAATTCTAAAACAAAAGCCACACAGAGTACAAATAAAGTGCATTT
 TTAATAGCTCTATTTAACTTTGGTGGATGAAGCTTCAAACCTTTATATTAAGGCACCTGG
 AATTCTCCCCCTTCTTTTTCAAACACAGGAAAATGCATTACAAAATTTATAGTTAC
 ACGGACAGAATTTAGTTTATCTAATGTAATTTTAGCCATTTAGGTCAAACATAAAACTC
 AATTTTCAAAGTAACATTGTTTGGAAAACATTTTCAACAGACTAATTTTACAGAACATTT
 TTTTTCTGTAGACTAATTCATGAACGAAGATCAATGACCAATATTAGTGTACTTACTCT
 GTCATTAGCAATTTCAAACAGTATGATGATTCATATACTGAGCTTTTAAAAATCCCACA
 AGTTTGAGAAATAGTTACACAGTATTTTGTAAAGGAATTTTGTCTAATCTTGTGTCAA
 GTTGATGTCACATAATACCAATCAATTAAGTCCATAATCTCTGATAAACTATGGTTGAC
 AAATCACATGAAGTACATTCAGCCTAATTTTAAAAANAANNAAGTAAAATGAATATTT
 TGCTTTAAATCTTTCTATTAACCTTAAACAGCTTAATAGACATTTCAAGAAGTACTCGCCT
 AAGTTTGCATTGCTTTTTACATTACCATTCCAGATCAATAAAGCACCTGGAGAAAAACC
 CTGCACATGTAGCCCAAGCTAAAGAAGTAGTTTTTTCATT

Restriction Sites:

NotI-NotI

ACCN:

NM_194463

Insert Size:

3000 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_194463.1](#), [NP_919445.1](#)

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]
Transcript Variant: This variant (1) encodes the longer isoform (1).