

Product datasheet for **SC112168**

RNF128 (NM_024539) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF128 (NM_024539) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF128
Synonyms:	GRAIL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```

>OriGene sequence for NM_024539 edited
GAATTCGGCACGAGGGGCGCTTAACGCCTGTAACCCGCACACGAATTTACGGTGCCAC
GGTTTGGGAAGCACCGTGCAAGTCTCTTGGTTGGCCCTCATCCAACGCGGGGGGGCTG
CACCTTCGCAGACAAGATCCATCTGGCTTATGAGAGAGGGGCGTCTGGAGCCGTCATCTT
TAACTTCCCGGGACCCGCAATGAGGTCATCCCATGTCTACCCGGGTGCAGTAGACAT
TGTTGCAATCATGATCGGCAATCTGAAAGGCACAAAAATCTGCAATCTATTCAAAGAGG
CATACAAGTGACAATGGTCATAGAAGTAGGGAAAAAACATGGCCCTTGGGTGAATCACT
ATTCAATTTTTTCGTTTCTGTGCCTTTTTTATTATTACGGCGCAACTGTGGCTATT
TTATCTTTTATTCTGCTCGAAGGCTACGGAATGCAAGAGCTCAAAGCAGGAAGCAGAGGC
AATTAAGGCAGATGCTAAAAAGCTATTGGAAGGCTTCAACTACGCACACTGAAACAAG
GAGACAAGGAAATGGCCCTGATGGAGATAGTTGTGCTGTGTGCATTGAATTGTATAAAC
CAAATGATTTGGTACGCATCTTAACGTGCAACCATATTTTCCATAAGACATGTGTGACC
CATGGCTGTTAGAACACAGGACTTGCCCATGTGCAAATGTGACATACTCAAAGCTTTGG
GAATTGAGGTGGATGTTGAAGATGGATCAGTGTCTTTACAAGTCCCTGTATCCAATGAAA
TATCTAATAGTGCCTCCTCCCATGAAGAGGATAATCGCAGCGAGACCGCATCATCTGGAT
ATGCTTACAGTACAGGGAACAGATGAACCGCTCTGGAGGAACACGTGCAGTCAACAAATG
AAAGTCTACAGCTGGTAAACCATGAAGCAAATTCTGTGGCAGTGGATGTTATTCCTCATG
TTGACAACCCAACCTTTGAAAGAGCAAACTCCTAATCAAGAGACTGCTGTTCCGAGAAA
TTAAATCTTAAATCTGTGTAATAGAAAACCTGAACCATAGTAATAACAGAAGTCCCA
ATCAGGGCCTAGTTTCTATTAATAAATGGATAAATTTAATAAATAAGAGTGATACTGA
AAGTGCTCAGATGACTAATATTATGCTATAGTTAAATGGCTTAAAATATTTAACCTGTTA
ACTTTTTCCACAAACTCATTATAATATTTTTCATAGGCAAGTTTCTCTCAGTAGTGAT
AACAACTTTTTAGACATTCAAAACCTGCTTCAAGAAGTACGTTTTTTCATTTATAACAA
TTTTCTTATAAAAAACATGTTGCTTTTAAAATGTGGAGTAGCTGTAATCACTTTATTTTAT
GATAGTATCTTAATGAAAAATACTACTTCTTTAGCTTGGGCTACATGTGTGAGGGTTTTT
CTCCAGGTGCTTATATTGATCTGGAATTGTAATGTAAAAAGCAATGCAAACCTAGGCGAG
TACTTCTGAAATGTCTATTTAAGCTGCTTAAAGTTAATAGAAAAGATTAAGCAAAATA
TTCATTTTACTTTTTCTATTTTTTAAAATTAGGCTGAATGACTTTCATGTGATTTGTCA
ACCATAGTTTATCAGAGATTATGGACTTAATTGATTGGTATATTAGTGACATCAACTTGA
CACAAGATTAGACAAAAAATTCCTTACAAAAATACTGTGTAACATTTTCTCAAACCTGTG
GGATTTTTCAAAGCTCAGTATATGAATCATCATCTGTTTGAATGCTAATGACAGAG
TAAGTAACACTAATATTGGTCATTGATCTTCGTTTCATGAATTAGTCTACAGAAAAAAAT
GTTCTGTAAAATAGTCTGTTGAAAATGTTTTCAAACAATGTTACTTTGAAAATGAGT
TTATGTTTGACCTAAATGGGCTAAAATTACATTAGATAAACTAAAATTTCTGTCCGTGTA
CTATAAATTTTGTGAATGCATTTTCTGGTGTGTTGAAAAAGAAGGGGGGAGAATCCAG
GTGCCCTAATATAAAGTTTGAAGCTTCCACCAAAGTTAAATAGAGCTATTTAAAAAT
GCATTTATTTGACTCTGTGTGGCTTTTGTGTTTGAATTTTGTCAAATATAGCAGAA
TTTAGGCAAAAAATAAACAGACATGATTTTTGTTTGTGTAATGGATGAAACCATTGCAT
TCTTGTACACTGATTTGAAATGCTGTAATATGTCCCAATTTGATTGATTCTCTTTAAA
TATAAAATGTAATAAATAATTCCAATAAAAAAAAAAAAAAAAAAACTCGAC
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024539 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGCGCTAACGCCTGTAAC
 CCGCACACGAATTTACGGTGCCACGGTTTGGGGAAGCACCGTGCAAGTCTCTTGGTTG
 GCCCTCATCCAACGCGGGGGGGCTGCACCTTCGCAGACAAGATCCATCTGGCTTATGAG
 AGAGGGGGCGTCTGGAGCCGTCATCTTTAACTTCCCCGGGACCCGCAATGAGGTCATCCCC
 ATGTCTCACCCGGGTGCAGTAGACATTGTTGCAATCATGATCGGCAATCTGAAAGGCACA
 AAAATTTGCAATCTATTCAAAGAGGCATACAAGTGACAATGGTCATAGAAGTAGGGAAA
 AAAACATGGCCCTTGGGTGAATCACTATTCAATTTTTTTCGTTTTCTGTGCCTTTTTTAT
 TATTACGGCGGCAACTGTGGGCTATTTTATCTTTTATTCTGCTCGAAGGCTACGGAATGC
 AAGAGCTCAAAGCAGGAAGCAGAGGCAATTAAGGCAGATGCTAAAAAGCTATTGGAAG
 GCTTCAACTACGCACACTGAAACAAGGAGACAAGGAAATGGCCCTGATGGAGATAGTTG
 TGCTGTGTGCATTGAATTGTATAAACCAATGATTTGGTACGCATCTAACGTGCAACCA
 TATTTTCCATAAGACATGTGTTGACCCATGGCTGTAGACACAGGACTTGCCCTGTGCA
 ATGTGACTACTCAAGCTTGGGATTGAGGTGATGTGAAATGGATCGTGGCTTACCAGTCT
 GATCATGAAATCTAAATGCCTCTCCTGAGAGATATCGCGCAGACGCTCTCTGATATGCTC
 ATCAGGACAATGAACGCTTGAGGACCGTGCACCAATGAAGCTACGTGGAACATGAGCAT
 TGGGCCGGGAGGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024539 unedited
 GACGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTGGAATATTTTATTT
 ACATTTTATATTTAAAGAGAATCAATACAAATTTGGGACATATTTACAGCATTTCAATCA
 GTGTACAAGAATGCAATGGTTTCATCCATTCAGCAAACAAAAATACATGTCTGTTTTATT
 TTTGCCTAAATCTGCTATAATTTGAACAAAATTTCTAAAACAAAAGCCACACAGAGTACA
 AATAAAGTGCAATTTTAAATAGCTCTATTTAACTTTGGTGGATGAAGCTTCAAACTTTAT
 ATTAAGGCACCTGGAATTTCTCCCCCTTCTTTTTCAAACACCAGGAAAAATGCATTACACA
 AAATTTATAGTTACACGGACAGAATTTTATGTTTATCTAATGTAATTTTAGCCATTTAGG
 TCAAACATAAACTCAATTTTCAAAGTAACATTGTTTGGAAAACATTTTCAAACAGACTAAT
 TTTACAGAACATTTTTTTCTGTAGACTAATTCATGAACGAAGATCAATGACCAATATTA
 GTGTTACTTACTCTGTCATTAGCAATTTCAAACAGTATGATGATTCATATACTGAGCTTT
 TGAAAAATCCCACAAGTTTGGAAATAGTTACACAGTATTTTTGTAAGGAATTTTTGTGTC
 TAATCTTGTGCAAGTTGATGTCACATAATACCAATCAATTAAGTCCATAATCTCTGAT
 AAATATGGTTGACAAATCACATGAAGTACATTAGCCTAATTTTAAAATAAGAAAAAGT
 AAAAATGAATATTTTGTCTTAATCTTTNCTATTAATAAGCAGCTTAATAGACATTTCA
 GAAGTACTCGCTAGTTTGCATTGCTTTTTACATACATTNCAGACAATATAGCACCTGGA
 GAAAACCTGACCCATGTACCC

Restriction Sites:

NotI-NotI

ACCN:

NM_024539

Insert Size:

2390 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_024539.3](#), [NP_078815.3](#)

RefSeq Size: 2688 bp

RefSeq ORF: 1209 bp

Locus ID: 79589

UniProt ID: [Q8TEB7](#)

Cytogenetics: Xq22.3

Domains: RING, PA

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 (2) has an alternate 5' end exon compared to variant 1. The resulting isoform (2) has a distinct and shorter N-terminus, as compared to isoform 1.