

Product datasheet for **SC115643**

RNF24 (NM_007219) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF24 (NM_007219) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF24
Synonyms:	G1L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007219 edited
 GAATTCGGCACGAGGTGGGGTTTGGGGACCGAGCCGCTCCGGGTTCCGGGATGCTGAGGA
 GACCGCGGGCCCGCCAGCCTCCCACACACACACTCTCCGGCGCCTCGGCCGGCCG
 GGCGCGGTGTGCAGGGGTGAGGCGGTGTCTCCAGGCTGAGGAGGGACCGGGAGGAGGGTC
 CGGCGCGCCCGGGACTGGAGGGTGTCCCTCACAAGGGCGGAGCGGGGCTGCACC
 TGGAGATCACGGAGGAAGTTCATCCATGAGCTCGATTCCCACATTACAACCTCAGGA
 TGCCTAATATTGGATTCCAGAATCTGCCTCTCAACATATATATTGTGGTTTTTGGTACT
 CTATATTTGTCTTCATCCTTAGTTTACTCTTCTGTTGCTACTTGATTAGGCTAAGACATC
 AAGCACACAAAGAATTTTATGCCTACAAACAGGTTATATTTAAAAGAGAAAAGTAAAAGAAT
 TGAATTTACATGAGCTCTGTGCAGTGTGCCTAGAAGACTTCAAGCCTCGAGATGAGTTGG
 GGATTTGCCCATGTAAGCACGCCTTCCACAGAAAGTGCCTTATTAAGTGGCTGGAGGTTT
 GTAAGTGTGTCCCTGTGCAACATGCCAGTCTACAGCTGGCCAGTTGCACAGTAAGC
 AGGACCGTGGACCCCTCAGGGGCCCTTCTGGGGCAGAGAACATTGTATAGCTTACCG
 CAAGGATCAGACTGTTGCTGGACACGACGTCTGTGTGGAGCCAGGAGGAACATGTGGT
 GTCTGTATGGCTGCTCTACCTAGGACACCAGCTGCCACTTCTTTTGCCTCATGAAGAA
 CTCTTGGGCCAGCCAAACTGGGAACCTAGGTGTCTGGGTCTGTGACAACCAAAGCACCT
 TGACACTACCCCTGCCGAGAGAAGAGGAGTGGATGAGCCTGCGGGTTTGCCTCAAGAAA
 CTTTATGAGGGTCTTTACTAATCCATTACACTCTCTCTCTGGAGCCTCATCTCCATG
 TCAAGCAGGAGGGTAAAGAAGGGAACTAAGAGCAGGTCTTTCAAGCCACACCCCCACCTG
 CGGATGGATGGGTTTCTCTGTAGGCCATGCAGGCTTTGTGCGAGCAAACCTTCCAGCA
 GCCCTTGAGCCAAAGTAAAACCAGCACACCAGCCACCAGTGGTTGGTGGAGCAGTGCCCA
 CAAGGCTCATGTTGTATGCCTTTGATAAGGCCATCTTGGCTTTGAGTAGCAGTGTTCCTC
 GTCACCCATTTCCCTCAGGATTACAACACCTGCTATCAAATCATTAAGCTGAAAACA
 TGAGATGCGCTTGAAAAGGCCCTAGTCAGAAGCCATTTCCCTTATCATTTCCTCTCCTA
 TGACCCAGTAAGGCCCGTCCAGAGCCCCAGCAGGAGTGGGCCCTGAGTCCACACTGTCC
 CTGAGTGATCCAGGAGGCTGCCACATCCCACATGTGCACTGTGGTTCCAGTGTAGCTG
 CTGTGAGCCCACTGCCACTGCCTCAGAAGGGAGCCACTGTGAACCTCTCGAGTGGCTCCA
 AAGAGCAGTGGCTTTTGAAGTGGCCATACTTCTGGCCGGCTGGATGAAGGGAAATGC
 CGACCTTTGGCCTCTCCCTCCTTCCATCTCTCTCTCTCTTGGCCTATCTCTTTT
 TACTTCAGAAAAAAAAAAAAAAAAAAAAAAAAAATCTCGAC

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007219 unedited
 CACATTTTGTAAACGACTCACTTATAGGGCGCCGCAATTCGCACGAGGTGGGGTTTGG
 GGGACCGAGCCGCTCCGGGTTCCGGATGCTGAGGAGACCGGGCCCGCCAGCCTCC
 CACACACACACTCTCCGGCGCCTCGGCCGGCCGGCGCGGTGTCAGGGGTGAGGCG
 GTGTCTCCAGGCTGAGGAGGGACCGGGAGGAGGGTCCGGCGGGCCCGGGACTGGAGGG
 TGAGTCCCTCACAAGGGCGGAGCGGGGCTGTACCTGGAGATCACGGAGGAAGTTCAT
 CCATGAGCTCGGATTTCCACATTACAACCTTCCAGGATGCCTAATATTGGATTCCAGAATC
 TGCCCTCAACATATATATTGTGGTTTTTGGTACTGCTATATTTGTCTTCATCCTTAGTT
 TACTCTTCTGTTGCTACTTGATTAGGCTAAGACATCAAGCACACAAAGAATTTTATGCCT
 ACAAACAGGTTATATTTAAAAGAGAAAAGTAAAAGAATTGAATTTACATGAGCTCTGTGCAG
 TGTGCCTAGAAGACTTCAAGCCTCGAGATGAGTTGGGGATTTGCCCATGTAAGCACGCTT
 TCCACAGAAAGTGCCTTATTAAGTGGCTGGAGGTTTCGTAAGTGTGTCCCTGTGCAACA
 TGCCAGTTCTACAGCTGGCCAGTTGCACAGTAAGCAGGACCGTGGACCCCTCAGGGGC
 CCCTTCTGNGGCAGAGAACATTGTATAGCTTACCGAAGGATCAGACTGTTGCTGGACA
 CGACGTCTGTGTGGAGCCAGGAAGAACATGNTGGTGTCTGTATGGCTGCTCTACCT
 ANGACACCAGCTGCCACTTCTTTTGCCTCATGAAGAACTTTNGGCCAGCCAAGTGGAAA
 CCTAGTGTCTGGGGTCTGTGACAACCAAGCACCTGACACTACCCCTGNCGAAGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007219 unedited NTTAGCTTTGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTT TCTGAANAGAAAGAGAATAGGGCAAGAGAGAGAAGAGATGGAAGGAGGGGAGAGGCCAA AGGGTCGGCATTCCCTTCATCCAGCCGGGCCAGAAGTATGGGCCATTCTCAAAAAGCCAC TGCTCTTTGGAGCCACTCGAGAGTTTACAGTGGCTCCCTTCTGAGGCAGTGGCAGTGGG CTCACAGCAGCTACACTGGAACACAGTGCACATGTGGGGATGTGGGCAGCCTCCTGGAT CACTCAGGGACAGTGTGGACTCAGGGCCCACTCCCTGCTGGGGCTCTGGACGGGCTTAC TGGTGCATAGGAGAGGGAATGATAAGAGGAAATGGCTTCTGACTAGGCCTTCCAAAGCG CATCTCATGTTTTTCAGCTTAGATGATTTGATAGCAGGTGTTGTAATCCTGAGGGGAAAT GGGTGACGAGGAACACTGCTACTCAAAGCCAAGATGGCCTTATCAAAGGCATACAACATG AGCCTTGTGGGCACTGCCTCACCAACCACTGGTGGCTGGTTGTGCTGGTTTTACTTGGCT CAAGGGCTGCTGGGAAGGTTTGTGCGCAAAGGCCTGCATGGCCTACAGAGAAACCCAT CCATCCGAGGTGGGGGTGTGGCTTAAAGACCTGCTCTTAGTCCCTTCTTTACCTC CTGCTTGACATGGAGATGAGGCTCCNAGAGAGAGAGTGAATGGAGTTAGTAAGAGACCC TCATGAAGTTNCTTGAGGCAACCCGCAAGCTCATCCACTCCTCTCTCGCAGGGGGTAG TGTCAGGTGCTTTGGNTGCACAAGACCAGAACCCTAGTCCAGTTTGGCTGCCCAAGAG TCTTTATGAGCCAAAAATGGCANCTGGGTCTAAGTAGAAGCACCCCTAN
Restriction Sites:	NotI-NotI
ACCN:	NM_007219
Insert Size:	1700 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:	<ol style="list-style-type: none"> 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_007219.2 , NP_009150.1
RefSeq Size:	1692 bp
RefSeq ORF:	447 bp
Locus ID:	11237
UniProt ID:	Q9Y225
Cytogenetics:	20p13
Domains:	RING

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes an integral membrane protein that contains a RING-type zinc finger. The encoded protein may interact with multiple transient receptor potential cation channel subfamily C (TRPC) proteins and regulate the trafficking and insertion of these proteins into the plasma membrane. [provided by RefSeq, Mar 2016]
Transcript Variant: This variant (1) represents the longest transcript yet it encodes the shorter isoform (1). Variants 1, 2 and 4 encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.