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Product datasheet for SC126169

RNF213 (NM_020954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF213 (NM_020954) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF213
Synonyms:	ALO17; C17orf27; KIAA1618; MYMY2; MYSTR; NET57
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene sequence for NM_020954 edited GCGCGCGGCAGGCGGCGAGCTCGGGGGCCGCAGAAAATGAAACTGAAGCCGTGGTCACGT GACAGGACATGTAGTATATAGCAGGCTGCCAGCGACTCCTGCTCTTGCTTCTGGATCTGC AGGGCAGTCCCAGCAGGACCCATGGAGTGTCCTTCGTGCCAGCATGTCTCCAAGGAGGAA ACCCCCAAGTTCTGCAGCCAGTGCGGAGAGAGGCTGCCTCCTGCAGCCCCCATAGCAGAT TCTGAGAACAATAACTCCACAATGGCGTCGGCCTCGGAGGGTGAAATGGAGTGTGGGCAG GAGCTGAAGGAGGAAGGGGGCCCGTGCTTGTTCCCGGGCTCAGACAGTTGGCAAGAAAAC CCCGAGGAGCCCTGTTCCAAAGCCTCCTGGACCGTCCAAGAAAGCAAAAAGAAGAAAAGG AAGAAGAAAAAGAAGGGGAACAAGTCCGCTTCCTCAGAGCTGGCTTCCTTGCCCCTTTCT CCTGCCAGCCCCTGTCACCTGACTTTGCTTTCAAACCCATGGCCTCAGGACACAGCCCTG CCCCACAGCCAAGCCCAGCAGAGTGGCCCCACTGGCCAGCCGAGCCAGCCCCCGGGCACA GCCACCACGCCACTGGAGGGTGACGGCCTCTCCGCGCCCACCGAGGTTGGCGACAGCCCC CTGCAGGCCCAGGCTTTGGGAGAGGCAGGAGTGGCCACAGGAAGTGAGGCTCAGAGCAGC CCGCAATTCCAGGACCACACGGAAGGGGAGGACCAGGACGCTTCCATCCCCTCTGGGGGC AGAGGCCTGTCCCAGGAGGGGACCGGTCCCCCCACCTCTGCTGGTGAAGGCCATTCTAGG ACTGAAGATGCTGCCCAGGAGCTCCTGTTGCCTGAGTCAAAAGGAGGCAGCTCTGAGCCC GGGACAGAACTGCAGACCACCGAGCAACAGGCAGGGGCCTCAGCCTCTACGGCAGTTGAT GCTGTAGCTGAGCCAGCCAATGCAGTTAAAGGGGCCGGGAAGGAAATGAAAGAGAAGACC CAGAGAATGAAACAGCCACCAGCAACCACTCCTCCTTTCAAAACACACTGCCAGGAAGCT GAGACCAAGACCAAGGACGAGACGGCTGCTGCTGAAGAAAAAGTCGGTAAAAATGAACAA GGGGAGCCTGAAGACCTCAAGAAGCCAGAGGGGAAGAACAGAAGTGCAGCTGCTGTGAAA AACGAGAAGGAGCAAAAAAACCAGGAAGCAGATGTCCAGGAAGTGAAGGCAAGCACGCTG AGCCCGGGTGGAGGAGTCACCGTGTTCTTCCACGCCATCATCTCTCTTCATTTCCCATTC AATCCTGACCTCCATAAAGTCTTCATCAGAGGAGGAGAAGAATTTGGGGAGTCAAAATGG GACAGCAATATCTGTGAGCTGCACTACACCAGAGACTTGGGTCATGACCGCGTTCTTGTT GAAGGCATTGTCTGCATTTCCAAGAAGCACCTAGATAAATACATTCCTTACAAGTACGTC ATTTATAATGGGGAATCTTTTGAGTATGAGTTCATTTACAAGCACCAGCAGAAGAAGGGC GAGTACGTCAACCGCTGTCTGTTCATAAAATCTTCACTTCTGGGCTCAGGAGACTGGCAT

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020954 unedited
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CTTGGGAAGAGTCAGAGTGGCCCAGGAAGTGAGGCTAAGAACACCCACATTTCCTGGACC
CACCGGAAGGGGAGACCCAGGACCTTCCATACCCTATGGGAGCAGACACCCTGTCCCAGA
GG

Restriction Sites: NotI-NotI

ACCN: NM_020954

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_020954.2, NP_066005.2

RefSeq Size: 5330 bp

RefSeq ORF: 3192 bp

Locus ID:	57674
UniProt ID:	Q63HN8
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a protein containing a C3HC4-type RING finger domain, which is a specialized type of Zn-finger that binds two atoms of zinc and is thought to be involved in mediating protein-protein interactions. The protein also contains an AAA domain, which is associated with ATPase activity. This gene is a susceptibility gene for Moyamoya disease, a vascular disorder of intracranial arteries. This gene is also a translocation partner in anaplastic large cell lymphoma and inflammatory myofibroblastic tumor cases, where a t(2;17)(p23;q25) translocation has been identified with the anaplastic lymphoma kinase (ALK) gene on chromosome 2, and a t(8;17)(q24;q25) translocation has been identified with the MYC gene on chromosome 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011] Transcript Variant: This variant (2) lacks several 3' exons but includes an alternate 3' exon, and it thus differs in its 3' coding region and 3' UTR, compared to variant 3. The encoded isoform (2) has a distinct and significantly shorter C-terminus, compared to isoform 3. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.