

Product datasheet for **SC312260**

C17orf27 (RNF213) (AF318359) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C17orf27 (RNF213) (AF318359) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF213
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AF318359, the custom clone sequence may differ by one or more nucleotides ATGATGAGCCACCAGTCAGTTCTGCAGATGTGTCCCCGAGCTCCTGCCGAGGGACGAAAC ACGGTGGCCCTGCTCCTAGTGCCATGTGCACGCCACGCTCCACACCTGCCATCTGCCCTT CCACCACCTGCTCCCCAGGGGCTCCGCCTCGTGACTCAGCTCAGGCAAGTCTCCGGGC GCGAACAGCTGGCTGATGGTGACATGCTGCAGCCTGGTCACATCAGAAACCATGAGGGTG GATCTCCGGAGGTCATCGATGTGGACAGACTGCCACAGCCCTGTGAAGAGTGAAGCCACC CACAACTGTCTTTGTGTCTTTCCCGGCTGCTGCTCAGCCCTAAGCAGGGACATTGCACAC CCTGGCTTGTCAATTATCTTGTGCGCAATGAATGACTGGCACCCCTGAAGCCGAAACCCTG GAATGGGCTGCGCAGAAACCACCAACCCGATACTATACACGACCCGATTCTATGCCCA TCGACAGCTTCACCA
Restriction Sites:	Please inquire
ACCN:	AF318359
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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: [AF318359.1](#), [AAL55866.1](#)

RefSeq Size: 2000 bp

RefSeq ORF: 498 bp

Locus ID: 57674

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]