

Product datasheet for **SC107683**

DORFIN (RNF19A) (NM_183419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DORFIN (RNF19A) (NM_183419) Human Untagged Clone
Tag:	Tag Free
Symbol:	DORFIN
Synonyms:	RNF19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC107683 sequence for NM_183419 edited (data generated by NextGen Sequencing)

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ATGCAAGAAACAAGAAATAGGTTTTATCTCTAAATATAATGAAGGGCTGTGTGTAACACT
GACCCTGTCTCAATTCTAACAAGCATTTTAGACATGAGTTTACATCGGCAAAATGGTTCA
GATCGAGATCTTCAGTCTCTGCTTCATCTGTGAGCTTGCCTTCAGTCAAAAAGGCACCC
AAAAAAGAAGAAATTTCAATAGGCTCCCTGTTTCGGAGGAAAAAAGATAACAAACGTAAA
TCAAGGGAGCTAAATGGCGGGTGGATGGAATTGCAAGTATTGAAAGTATACATTCTGAA
ATGTGTACTGATAAGAACTCCATTTTCTCTACAATACCTCTTCTGACAATGGATTAAC
TCCATCAGCAAACAAATTGGAGACTTCATAGAGTGCCCTTTGTGCCTTTTGGCGCATTCT
AAAGACAGATTTCTGATATAATGACTTGTCTACACAGATCTTGTGTGGATTGCTTACGA
CAATATTTAAGGATAGAAATCTCTGAAAGCAGAGTTAATATTAGTTGCCAGAATGACT
GAACGGTTAATCCCATGATATTCGTTGATATTAAGTATGATGCTTGTGAGGAAAAA
TACGAAGAATTTATGCTTAGACGGTGGCTTGTTCAGATCCTGATTGTAGGTGGTGTCCA
GCTCCAGACTGTGGATATGCTGTGATAGCATTGGATGTGCCAGCTGTCCAAAATTAAC
TGTGGGCGAGAGGGCTGTGGAACAGAGTTTGGTACCAGTGTAAACAGATTTGGCACCCC
AACCAGACCTGTGATGCTCGACAAGAGAGAGCCAGAGCTTACGTTTGAGAACTATA
CGTTCTTCATCCATTAGTTATAGTCAAGAGTCTGGAGCAGCAGCTGATGATATAAAGCCA
TGTCCACGATGTGCTGCTTATATAATAAAGATGAATGATGGGAGCTGCAATCACATGACA
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CTAGCTGGAGCCAGTATAACGGGGAGTCTGTGAGGAAGTCCCATGGTAAACTGTTTTAAC
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GAGTCAAAGCCATCCAAATTCAGGCACAACAGTGGAAAGCAGTAGTGTGGATGATGGCAGT
GCCACCCGAAGTCATGCTGGCGTTTCAATCCAGTGGCTTGCTGAAAGGTAATCTAGTGCC
ACCAAGTGGTCCAAAGAAGCAACAGCAGGGAAAAAATCAAAAAGTGGTAAACTGAGGAAA
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CCTGAGGTAGAAAATGACCGTCTGGAAAATTTCCACATCAGTGTAGCATTCTGTGGTT
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AACAAATGGAATAAAACCTAATGTTGATTTATTTTTGGCGATGCACTAAAAGAAACAAAT
AACAACTCACATCAGACAATGGAATTAAGTTGCAATTCAGACTGAAATTTAG

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Clone variation with respect to NM_183419.1

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_183419 unedited ATTCGGCACGAGGGCGCCTCGGGCCATCGGNNGGACCCTCCCCCGCGCTTCTCAGGCTG CTGTCCGGCTGCTGGGAGATGGGCCTACTCGCCCGCCACCCTGCGCTGCCGCCGCTCTG AGGAGTTAAAGAACATCCATGATAGCAGTCTTCTGTAATCGAACTTTTCAAGAATTCTC TGAAGGAACCAAGTAGGATATTTTACATCATGACTTAATGTGAATGCAAGAACAAGAAA TAGGTTTTATCTCTAAATATAATGAAGGGCTGTGTGTAACACTGACCCTGTCTCAATTC TAACAAGCATTTTAGACATGAGTTTACATCGGCAAATGGGTTTCAGATCGAGATCTTCAGT CCTCTGCTTCATCTGTGAGCTTGCCTTCAGTCAAAAAGGCACCCAAAAAAGAAGATTT CAATAGGCTCCCTGTTTTCGGAGGAAAAAGATAACAAACGTAAATCAAGGGAGCTAAATG GCGGGGTGGATGGAATTGCAAGTATTGAAAGTATACATTCTGAAATGTGTACTGATAAGA ACTCCATTTTCTACAAATACCTTTCTGACAATGGATTAACCTCCATCAGCAAACAAA TTGGAGACTTCATAGAGTGCCCTTTGTGCCTTTTGCGGCATTCTAAAGACAGATTTCTG ATATAATGACTTGTATCACAGATCTTNGTGGATTGCTTACGACAATATTTAAGGATAG AAATCTCTGAAAGCAGAGTTAATATTAGTTGCCCCANAATGTCTGGACGGGTTAATCCC CTGATANTCGCTTGTANTAAGGGGANGATGTCTTGATGGAAAAACCAANAATTATGCTTA AACGGGGCTGTTTCCAAACTGTTGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_183419 unedited CATTGGNGATGGCAACTCCAGGNCCAGNANGAGCCTGGGGNNGGGTACAGGNATGCCA CCCGGGATCTGTTAGGAAAAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTT TTTTTTTTTTACATTAGTATTTACATTTATTTAACGTATGCAGTTTACACACTCATTATT AAACAAAATTGGAATGCAACAAATATACAAATACCATAAGCATTATCAAATAAAATAAC TGGCACTAGTGTATAAGCATATTAATGGACCTGGTAGGGAAAAGTGATGGGAAGAAGACT GCAGCCCATGGCATTTTTTCTTTTTACAAAAGAAAACGCTCAGTAGCACCATAATGGTAA TACTTAAAGAAATACATAAGATAGAACATTTTAACTGCTATCATTGAGGTTAACCTGCT TTTATTTAAGTGAATTATACAGGAAATTAACAGTACAGGCAGTATTTTGGCCAACCTCTG CTTATGTCAGCTGAACATTGTCCATAAACAAAAGCAAAAGAAAATAATGCTAATCATACA TGGACCTTTTGTACTTGGTACAAGTTCTGCACCGTGCTTTGATTTTCATGGTTGGAGAAGA TATGCATGTGTTAAAAACTGAGGTTATGTAAGTTATTTCACTAAAGCCTGAGTGTGTCTT TGGTAGGCTAATACTTTTTTCAGCATTATTAATCACATTCATGTTTATCTATTTCCCGGAT TTTTATATAAATCCAAGGTGACCAGGAAAGACATGGGAAAACAAACACAGCAAATCCT CAAATAACTAGGCCATTTAAAACCCAGTCCGATCCCAAAGGCACCAAGAATCAATGGGGT ACAAACCTCCCCTTAAAGAGAGGGGGAATTTTTTTGGAAAAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_183419
Insert Size:	4100 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_183419.1 , NP_904355.1
RefSeq Size:	4366 bp
RefSeq ORF:	2517 bp
Locus ID:	25897
UniProt ID:	Q9NV58
Cytogenetics:	8q22.2
Protein Families:	Druggable Genome, Transcription Factors, Transmembrane
Gene Summary:	<p>This gene encodes a member of the ring between ring fingers (RBR) protein family, and the encoded protein contains two RING-finger motifs and an in between RING fingers motif. This protein is an E3 ubiquitin ligase that is localized to Lewy bodies, and ubiquitylates synphilin-1, which is an interacting protein of alpha synuclein in neurons. The encoded protein may be involved in amyotrophic lateral sclerosis and Parkinson's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2, 3, 4, and 5 encode the same protein.</p>