

Product datasheet for SC108420

DORFIN (RNF19A) (NM_015435) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DORFIN (RNF19A) (NM_015435) 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)

Fully Sequenced ORF: >OriGene sequence for NM_015435 edited
 GAATTCGGCAGGTAAGTACTCGCCGCCACCCTGCGCTGCCGCGCTCTGAGGAGTTAAAG
 AACATCCATGATAGCAGTCTTCTGTAAATCGAACTTTTCAAGAATCTCTGAAGGAACCA
 AGTAGGATATTCTTACATCATGACTTAATGTGAATGCAAGAACAAGAAATAGTTTTATC
 TCTAAATAAATGAAGGGCTGTGTGTAACACTGACCCTGTCTCAATTCTAACAAGCATT
 TTAGACATGAGTTTACATCGGCAAAATGGGTTTCCAGATCGAGATCTTCAGTCTCTGCTTCA
 TCTGTGAGCTTGCCTTCAGTCAAAAAGGCACCCAAAAAAGAAGAATTTCAATAGGCTCC
 CTGTTTCGGAGGAAAAAGATAACAAACGTAATCAAGGGAGCTAAATGGCGGGTGGAT
 GGAATTGCAAGTATTGAAAGTATACATTCTGAAATGTGTACTGATAAGAAGTCCATTTTC
 TCTACAAATACCTCTTCTGACAATGGATTAACCTCCATCAGCAAAACAATGGAGACTTC
 ATAGAGTGCCTTTGTGCCTTTTGCAGCATTCTAAAGACAGATTTCTGATATAATGACT
 TGTCAATCAGATCTTGTGTGGATTGCTTACGACAATATTTAAGGATAGAAATCTCTGAA
 AGCAGAGTTAATATTAGTTGCCAGAAATGACTGAACGGTTTAATCCCCATGATATTCGC
 TTGATATTAAGTATGATGTCTTGTGATGGAAAAATACGAAGAATTTATGCTTAGACGGTGG
 CTTGTTGCAGATCCTGATTGTAGGTGGTGTCCAGCTCCAGACTGTGGATATGCTGTGATA
 GCATTTGGATGTGCCAGCTGTCCAAAATAACTTGTGGGCGAGAGGGCTGTGGAACAGAG
 TTTTGTCTACCACTGTAACAGATTTGGCACCCCAACCAGACCTGTGATGCTGCTCGACAA
 GAGAGAGCCAGAGCTTACGTTTGGAACTATACGTTCTTCATCCATTAGTTATAGTCAA
 GAGTCTGGAGCAGCAGCTGATGATATAAAGCCATGTCCAGATGTGCTGCTTATATAATA
 AAGATGAATGATGGGAGCTGCAATCACATGACATGTGCTGTTTGTGGTTGTGAGTTTTGT
 TGGTTGTGTATGAAAGAAATCTCAGATTTGCATTATCTAAGTCCATCAGGATGTACTTTT
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 GGTGCTCCTGTCGGAATCGCTTAAATAGCTGGCATTGCTATTCTGCAATGATTATTGGC
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 CACAAACGGAATTTGGCCATAGCAGGTGGTGTAACTGTTCTGTAATCGTGTCTCCAGTA
 GTAGCTGCAGTACTGTAGGTATCGGTGTTCTATTATGTTAGCTTATGTCTATGGCGTA
 GTTCCAATTTCTTGTGCGAAGCGGAGTTGTGGAGTCTCAGCAGGCAATGAAAAGGA



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GTTAGGATTGAATTTGATGATGAAAATGATATAAATGTTGGTGGAACTAACACAGCTGTA
 GACACAACATCAGTAGCAGAAGCAAGACACAACCCAAGCATAGGGGAGGGAAAGTGTGGT
 GGGCTGACTGGCAGTTTGTAGTGAAGTGAAGCCACATGGATCGAATAGGAGCCATCCGA
 GACAACCTGAGTGAAACGGCCAGCACCATTGGCACTAGCTGGAGCCAGTATAACGGGGAGT
 CTGTCCAGGAAGTCCATGGTAACTGTTTTAACAGGTTGGAAGTACAAGCAGATGTACAG
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 AATGCCAGCACCAAAGCAATGGCAGGATCCATTCTGAATTCCTACATCCCATTGGACAAA
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 AACAGTGGAAAGCAGTAGTGTGGATGATGGCAGTGCACCCGAAGTCATGCTGGCGGTTCA
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 GGGAAAAAATCAAAAAGTGGTAACTGAGGAAAAAGGTAACTGAAGATAAATGAGACG
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 GCTCCATCCCTCAGTGACAGTATGCCTTCTGTAGCAGATTCTCACTCTAGTCATTTTTCT
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 TTAAGAGTTGCAATTCAGACTGAAATTTAGGCCATAAATGCTGCAGAATAAATACCACT
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 AAGCACATACTTAGATAGAAATGGTCTTAATTTATATAATCAATATAAAATACTAATGC
 AATTCTACAGCATTCAAATGAAGAAAACCTGAGGCTTTAGGGATAAGTGGTTAGTGATAT
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 TCGACTGGGTTTTAATGGCCTAGTTATTTGAGGATTTTGCTGTGTTGTTTTCCATGTCTT
 CTCTGGTCACCTTGGATTATATATAAAAAATACAGGAAATAGATAAACATGAATGTGATTA
 ATAATGCTGAAAAAGTATTAGCCTACCAAAGACACACTCAGGCTTTAGTGAATAACTTTA
 CATAACCTCAGTTTTTAACACATGCATATCTTCTCCAACCATGAAATCAAAGCACGGTGC
 AGAACTGTACCAAGTACAAAAGGTCCATGTATGATTAGCATTATTTCTTTTGTCTTTG
 TTTATGGACAATGTTTCAGCTGACATAAGCAGAAGTTGGCCAAAATACTGCCTGTACTGTT
 AATTTCTGTATAATTCACCTTAAATAAAAAGCAGGTTAACCTCAATGATAGCAGTTAAAAT
 GTTCTATCTTATGATTTCTTTAAGTATTACCATTATGGTGTACTGAGCGTTTTCTTT
 TGGTAAAAAGAAAAATGCCATGGGCTGCAGTCTTCTCCATCACTTTTCCCTACCAGGTC
 CATTAAATAGCTTATAACACTAGTGCCAGTTATTTATTTGATAATGCTTATGGTATTTG
 TATATTTGTTGCAATCCAATTTGTTTAAAXXXXXXXXXXXXXXXXXXXXXXXXXXAA
 AAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015435 unedited
TATAGGGCGGCCGGAATTCGCACGAGGTAAGTCTCGCCCGCCACCCTGCGCTGCCGCCGCTC
TGAGGAGTTAAAGAACATCCATGATAGCAGTCTTCTGTAATCGAACTTTTCAAGAATTC
TCTGAAGGAACCAAGTAGGATATTCTTACATCATGACTTAATGTGAATGCAAGAACAAGA
AATAGGTTTTATCTCTAAATAAATGAAGGGCTGTGTGTAACACTGACCCTGTCTCAAT
TCTAACAAAGCATTITAGACATGAGTTTACATCGGCAAATGGGTTCCAGATCGAGATCTTCA
GTCCTCTGCTTCATCTGTGAGCTTGCCTTCAGTCAAAAAGGCACCCAAAAAAGAAGAAT
TTCAATAGGCTCCCTGTTTCGGAGGAAAAAAGATAACAAACGTAATCAAGGGAGCTAAA
TGGCGGGGTGGATGGAATTGCAAGTATTGAAAGTATACATTCTGAAATGTGACTGATAA
GAACTCCATTTTCTACAAATACCTCTTCTGACAATGGATTAACCTCCATCAGCAAAACA
AATTGGAGACTTCATAGAGTGCCTTTGTGCCTTTTGGCGCATTCTAAAGACAGATTTCC
TGATATAATGACTTGTGCATCACAGATCTTGTGTGGATTGCTTACGANCATATTTAAGGAT
AGAAATCTCTGAAAGCAGAGTTAATATTAGTTGCCAGAATGACTGAACGGTTTAAATCC
CCATGATATTCGCTTGATTAAGTGATGATGTCTTGATGAAAAATACGAAGAATTTAT
GCTTAGACGGTGGCTTGTGTCAGATCCTGATTTGTAGTGGTGTCCAGCTCCAGACTGTGG
ATATGCTGTGATAGCATTGGGATGTGCCAGCTGTCCAANATAAACTGTGGCGANAGGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015435 unedited
NATCGGNGAATGGCACTTNCAGNCCAGNAAAGCACTGGGGNAGGGTCACAGGGATGCC
ACCCGGGATCTGTTCAGGAAACAGCTATGACCCGGCCGCAATCTAGAGTCGAGTTTTTT
TTTAACTTAGTTTTACTTT
TTTTTAAGGTTGGCGGTTTACACCCTCTTTTTTAAACAAAATTGGAGGGCAAAACAATTT
CCAAATCCCATGGGCTTTTTCAAATAAAAATAACTGGCCCTAGGGTTATAACCATTTTAAAG
GGCCCTGGTGGGAAAAGTGAGGGAAAAAAACTGCCCCCATGGCATTTTTTTTTTTTTACC
AAAAAAAACGCTCAGTACCCCATATGGGTAATCCTTAAAGAAATCCTTAAGATAGAA
CATTTTACCTGCTATCATTGAGGTTAACCGGCTTTTATTTAAGGGAATATCCGGGAAAT
TAACAGTCCGGGCGGTTTTTTGGCCAACCTCTGCTTATGTCAGCTGAACATTGCCATAA
ACAAAAGCAAAAAAATAGTGCTAATCAACATGAGGCTTTTGTCTTGTACAAATTTT
TGCCCGGGCTTTGATTCGGGGGTGAAAAAATATCCTGGGTTAAAAACTGAGGTTTT
GTAAAGTTATTTCAAAACCCCTGGGGGTGTTTTGGGAAGGCAAAAACCTTTTTTACAGC
GATTATTAACCACCATTCGGGTTTAACTATTTTTCGGGGTTTTTAAAAAATAAACCC
CCGGGGGACCCCAAAAAAATGGGAAAACACCCGGGCAAAATCCTTCAAATAATGT
AGCGCATTTAAGACCCGTTTCTATCCCAAGGGGCCCAAGAAAAATGTGGGGGTAA
AATACTTTTCCTTTTAAGGAAAAGAGGGGGAGNTTTTTTCGAAACAGTGTATAACCC
CAG

Restriction Sites:

NotI-NotI

ACCN:

NM_015435

Insert Size:

4000 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_015435.3 , NP_056250.3
RefSeq Size:	4357 bp
RefSeq ORF:	2517 bp
Locus ID:	25897
UniProt ID:	Q9NV58
Cytogenetics:	8q22.2
Domains:	RING, IBR
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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4, and 5 encode the same protein.</p>