

## Product datasheet for **RC239658**

### **DORFIN (RNF19A) (NM\_001280539) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DORFIN (RNF19A) (NM_001280539) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DORFIN
Synonyms:	RNF19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC239658 representing NM\_001280539  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAAGAACAAGAAATAGGTTTTATCTCTAAATAAATGAAGGGCTGTGTGTAACACTGACCCTGTCT  
 CAATTCTAACAAAGCATTTTAGACATGAGTTACATCGGCAAAATGGTTTCAGATCGAGATCTTCAGTCCTC  
 TGCTTCATCTGTGAGCTTGCCTTCAGTCAAAAAGGCACCCAAAAAAGAAGAATTTCAATAGGCTCCCTG  
 TTTGCGAGGAAAAAGATAACAAACGTAATCAAGGGAGCTAAATGGCGGGTGGATGGAATGCAAGTA  
 TTGAAAGTATACATTCTGAAATGTGACTGATAAGAACTCCATTTTCTCTACAAATACCTCTTGACAA  
 TGGATTAACCTCCATCAGCAACAAATGGAGACTTCATAGAGTGCCTTTTGCCTTTTGCGCATTCT  
 AAAGACAGATTTCTGATATAATGACTTGTCTACAGATCTTGTGTGGATTGCTTACGACAATATTTAA  
 GGATAGAAATCTCTGAAAGCAGAGTTAATATTAGTTGCCAGAATGACTGAACGGTTTAAATCCCATGA  
 TATTCGTTGATATTAAGTGATGATGTCTTGATGGAAAAATACGAAGAATTTATGCTTAGACGGTGGCTT  
 GTTGCAGATCCTGATTGTAGGTGGTGTCCAGCTCCAGACTGTGGATATGCTGTGATAGCATTGGATGTG  
 CCAGCTGTCCAAATTAACCTGTGGGCGAGAGGGCTGTGGAACAGAGTTTGTACCCTGTAAACAGAT  
 TTGGCACCCCAACCAGACCTGTGATGCTGCTCGACAAGAGAGAGCCAGAGCTTACGTTTGAAGACTATA  
 CGTTCTTCATCCATTAGTTATAGTCAAGAGTCTGGAGCAGCAGCTGATGATATAAAGCCATGTCCACGAT  
 GTGCTGCTTATAATAAAGATGAATGATGGGAGCTGCAATCACATGACATGTGCTGTTTGTGGTTGTGA  
 GTTTTGTTGGTTGTGATGAAAGAAATCTCAGATTTGCATTATCTAAGTCCATCAGGATGACTTTTTGG  
 GGAAGAAACCCCTGGAGCCGAAAGAAGAAATATTGTGCAACTGGGAACACTGGTTGGTCTCCTGTCG  
 GAATCGCTTAAATAGCTGGCATTGCTATTCCTGCAATGATTATTGGCATTCTGTGATGTTGGCCGCAA  
 GATTCACAATCGCTATGAAGGCAAGGATGTTTCAAGCACAAACGGAATTTGGCCATAGCAGGTGGTGTA  
 ACGTTGTCTGTAATCGTGTCTCCAGTAGTACTGCACTGACTGTAGGTATCGGTGTTCTATTATGTTAG  
 CTTATGTCTATGGCGTAGTTCCAATTTCTCTTTGTCGAAGCGGAGGTTGTGGAGTCTCAGCAGGCAATGG  
 AAAAGGAGTTAGGATTGAATTTGATGATGAAAATGATATAAATGTTGGTGGAACTAACACAGCTGTAGAC  
 ACAACATCAGTAGCAGAAGCAGACACAACCAAGCATAGGGGAGGGAAGTGTGGTGGGCTGACTGGCA  
 GTTTGAGTGCAAGTGAAGCCACATGGATCGAATAGGAGCCATCCGAGACAACCTGAGTGAACGGCCAG  
 CACCATGGCACTAGCTGGAGCCAGTATAACGGGGAGTCTGTGAGGAAGTCCATGGTAAACTGTTTTAAC  
 AGGTTGGAAGTACAAGCAGATGTACAGAAAGAACGGTACAGTCTAAGTGGAGAATCTGGCACAGTCAGCT  
 TGGGAACAGTTAGTGATAATGCCAGCACCAAGCAATGGCAGGATCCATTCTGAATTCCTACATCCCAT  
 GGACAAAGAAGGCAACAGTATGGAGGTGCAAGTAGATATTGAGTCAAAGCCATCCAAATTCAGGCACAAC  
 AGTGAAGCAGTAGTGTGGATGATGGCAGTGCCACCCGAAGTCATGCTGGCGGTTTCATCCAGTGGCTTGC  
 CTGAAGGTAATCTAGTGCCACCAAGTGGTCCAAAGAAGCAACAGCAGGGAAAAAATCAAAAAGTGGTAA  
 ACTGAGGAAAAAGGGTAACATGAAGATAAATGAGACGAGAGAGGACATGGATGCACAGTTGTTAGAACA  
 CAAAGCACGAACCAAGTGAATTTGAGGCTCCATCCCTCAGTGACAGTATGCCTTCTGTAGCAGATTCTC  
 ACTCTAGTCATTTTTCTGAATTTAGTTGTTCTGACCTAGAAAGCATGAAAACCTTCTGTAGTCATGGTTC  
 CAGTGATTATCACACCCGCTTTGCTACTGTTAACATTCTCCTGAGGTAGAAAATGACCGTCTGGAAAAAT  
 TCCCCACATCAGTGATGATTTCTGTGGTTACCCAAACTGCTTCTGTTTCAAGAGTTTACAGTTGAATC  
 ATATTGCTGAAGAACATGGTAACATGGAATAAAACCTAATGTTGATTTATTTTTGGCGATGACTAAA  
 AGAAACAAATAACAACCACTCACATCAGACAATGGAATTAAGTTGCAATTCAGACTGAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

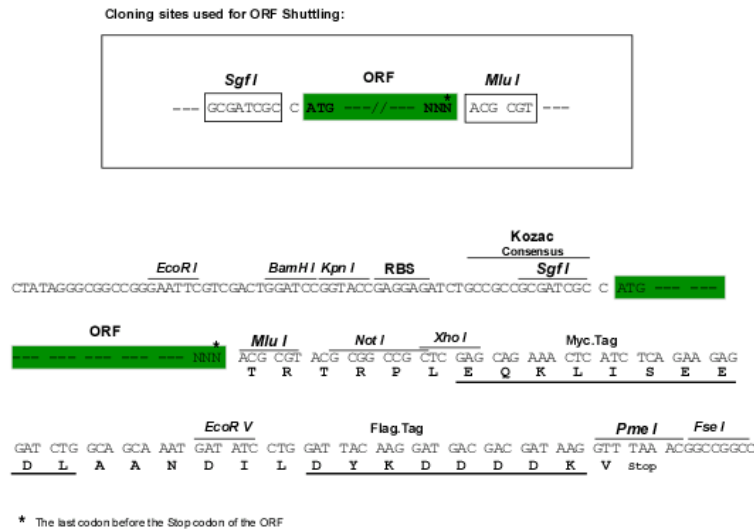
Protein Sequence: >RC239658 representing NM\_001280539  
Red=Cloning site Green=Tags(s)

MQEQEIGFISKYNEGLCVNTDPVSILTSILDMSLHRQMGSDRDLQSSASSVSLPSVKKAPKKRIRISIGSL  
FRRKKDNKRKSRELNGGVDGSIASIESIHSEMCTDKNSIFSTNTSSDNLTSISKQIGDFIECPLCLRHS  
KDRFPDITMCHHRSCVDCLRQYLRIEISESRVNI SCPECTERFNPHDIRLILSDDVLMKEYEFLRRWL  
VADPDCRWCPAPDCGYAVIAFGCASCPLTCGREGCGTEFCYHCKQIWHPNQTCDAARQERAQSLRLRTI  
RSSSISYSQESGAAADDIKPCPRCAAYIIKMNDGSCNHMTCAVCGCEFCWLCMKEISDLHYLSPSGCTFW  
GKKPWSRKKKILWQLGTLVGAPVGIAL IAGIAIPAMIIGIPVYVGRKIHNRYEKDVSKHKRNLA IAGGV  
TLSVIVSPVVAAVTVGIGVPIMLAYVYGVVPI SLCRSGGCGVSAGNGKGVRIEFDDENDINVGNTAVD  
TTSVAEARHNPSIGEGSVGGLTGSL SASGSHMDRIGAIRDNLSETASTMALAGASITGSLSGSAMVNCFN  
RLEVQADVQKERYSLSGESGTVSLGTVSDNASTKAMAGSILNSYIPLDKEGNSMEVQVDIESKPSKFRHN  
SGSSSVDDGSATRSHAGGSSSGLPEGKSSATKWSKEATAGKSKSGKLRKKGNMKINETREDMDAQLLEQ  
QSTNSSEFEAPSLSDSMPSVADSHSHFSEFSCSDLESMTSCSHGSSDYHTRFATVNILPEVENDRLN  
SPHQCSISVVTQTASCSEVSQLNHIAEEHGNGIKPNVDLYFGDALKETNNHSHQTMELKVAIQTEI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mg2999\\_f08.zip](https://cdn.origene.com/chromatograms/mg2999_f08.zip)

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001280539

**ORF Size:** 2514 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001280539.2](#)

**RefSeq Size:** 4318 bp

**RefSeq ORF:** 2517 bp

**Locus ID:** 25897

**UniProt ID:** [Q9NV58](#)

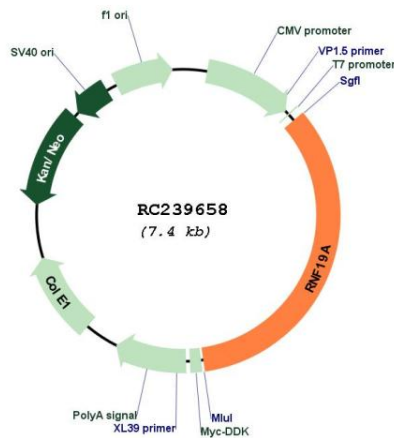
**Cytogenetics:** 8q22.2

**Protein Families:** Druggable Genome, Transcription Factors, Transmembrane

**MW:** 90.7 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC239658