

Product datasheet for **RN205185**

Wfs1 (NM_031823) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wfs1 (NM_031823) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wfs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN205185 representing NM_031823

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

 ATGAGCTCAGGCACCCACCTCCGAGCCCTCTGGCCACCTCCTCCACCCGCACCACAGCCCCAGGCC
 GGGCCCGCTCAATGCCACCACCTCACTGGAGCAGGACAAGATTGAACCGCCTCGTGCTCTAGACCTCA
 GCCTGACTCCAGTGCTGGACGAAGTCTGGGAAGCAACCACGCCGAGCCTCGGGCCCCCTCAGGCCAGC
 AGCCGAGAAGGGACAGATAAAGCTGGTCCCATGAAGGCAGATGTGGAGATCCCCTTTGAAGAAATCCTGG
 AGAAGGCCAAGGCTGGAGACCCAAAGCACAGACAGAGTGGGCAAACTACCTGCGACTTGCCATGA
 TGCAGATGAAGAGCTCAACAGCTGCTCGGCTGTGGCTGCTAATCCTGGCGCCAAGCAGGGCAGGCGG
 GAGGCCGTGAAGCTGCTGAGGCGGTGCCTAGCTGACCGGAAAGGCATCACTTCTGAGAATGAGGCCGAGG
 TGAAGCAGCTATCCTCTGAGACCGACCTGGAAAGGGCAGTGCGAAGGCTGCCCTGGTCTGTACTGGAA
 ACTCAACCCCAAGAAAAAGAAGCAGGTGGCTGTGTCTGAGCTGCTGGAGAATGTCGGGCAGGTCAACGAA
 CAGGATGGAGGGGCGCAGCCAGGCCCGCTCCCAAGTCCCTGCAGAAGCAGAGGCCGATGCTGGAGCGTC
 TAGTGAGCAGTGAATCCAAGAACTACATTGCTCTGGACGATTTTGTGGAGCTCACCAAGAAGTATGCCAA
 GGGCATCATCCCCAACACCTGTTCTGCAGGATGAGGATGAAGATGAAGACGAGCTGTCAGGGAAGAGC
 CCCGAGGACCTGCCACTACGCCAGAAGTGGTGAAGTACCCCTTACACGCCATCATGGAGATCAAAGAGT
 ACCTGATTGACGTGGCCTCCAAGGCAGGCATGCACTGGCTCTCCACCATCGTGCCACCCATCACATCAA
 CGCCCTCATCTTCTTCTCATCATCAGCAACCTAACCATCGACTTCTTCGCCTTCTCATCCCCCTGGTG
 GTCTTCTACCTGTCCTTCGTGTCATGGTCACTGCACCCTCAAAGTGTCCAGGACAGCAAGGCCTGGG
 AGAATTCCGCACTCTCACCGACCTGCTGCTGCGCTTCGAGCCCAACCTAGATGTGGAGCAGGCGGAAGT
 GAACCTCGGCTGGAACCACCTGGAGCCTTACATCCACTTCTGCTGTGAGTCTGCTTCTGATCTTCTCC
 TTCCCGCTGGCCAGCAAGGACTGCATCCCGTGTCTCCGAGCTCGCTGTGCTCTCCGCTTCTTACGGTGA
 CGAGCTACATGAGTCTGAGCAGCTCCGCGAGCCCTACACCAGGCGGGCCCTGGTCACTGAGGTGGCTGC
 TGGGCTGCTGTCCCTTCTGCCACCATGCCCGTGGACTGGCCCTTCTGAAAGCACTCGGCCAGACGTTT
 TTCACCGTGCCCATCGGCCACTTCATCATCCTCAACGTGAGCCTCCCTGCCTGCTCTATGTCTATCTCT
 TTTACCTTCTTCCGCATGGCCAGCTGAGGAACCTCAAGGGCACCTACTGCTACCTGGTGCCCTACCT
 GGTGTGCTTCATGTGGTGTGAAGTGTCCGTGGTCACTGCTCCAGTCCACCGGCTGGGCTTGGTCCGT
 GCCTCCATCGGCTACTTCTCTTCTCTTGGCCCTCCCATCCTGGTGGTGGCCTTGCCTCATGGGCA
 CCGTGCACTTTGCCGATGGTTCCTGTCACTGGACCTACCAAGATCATGGTCACCACAGTGATCTGCAG
 CGTGCCCTGCTTTTCCGCTGGTGGACCAAGGCCAAGTTCGGTGGTGGGAATGGTCAAGTCCCTGACT
 CGGAGCTCCATAGTGAAGCTCATTCTGGTGTGGCTCACGGCCATCCTGCTCTTTTGTGGTCTACGTGT
 ACCGGTCGGAAGGCATGAAGGTCTACAATTCACACTCACCTGGCAGCAATATGGCTTCTGTGTGGCC
 ACGGGCTGGAAGGAGACTAACATGGCCCGGACCCAGATCCTGTGCAGCCACCTGGAGGGCCACAGGGTC
 ACGTGGACAGGCCGCTTCAAGTATGTCCGAGTGACCGAGATCGACAACAGCGCCGAGTCCGCCATCAACA
 TGCTCCCGTTCTTCTGGGTGACTGGATGCGCTGCCTGTACGGTGAGGCCATCCCATCCTGTAGCTCTGG
 TAACACGTCCACGGCTGAGGAGGAGCTCTGCCGTCTCAAGCAGCTGGCCAAGCACCCCTGCCACATCAAG
 AAGTTTGACCGCTACAAGTTTGAGATCACAGTGGGCATGCCCTTCGGCACCAACGCAACCGCGGCCAG
 AAGAAGACGACATACCAAGGACATCGTCTGCGAGCCAGCAGGAGTTCAAGGACGTGCTGCTGAACCT
 GCGTCAGGGCAGCCTCATAGAGTTCAGCACCATCCTCGAGGGCCGCTGGGTAGCAAGTGGCCGCTTCTC
 GAGCTCAAGGCCATCAGCTGCCTCAATTGCATGACACAGCTGTCCCTGCCCGAGGCACGTAAAGATCG
 AACAGGACTGGCGTAGCACGGTGCACGGTGCCTCAAGTTCGCCTTCGACTTCTTCTTCTCCATTCTCT
 GTCTGCCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_031823

Insert Size:	2673 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:	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:	<u>NM_031823.1, NP_114011.1</u>
RefSeq Size:	2742 bp
RefSeq ORF:	2673 bp
Locus ID:	83725
Cytogenetics:	14q21
Gene Summary:	endoplasmic reticulum membrane glycoprotein; postulated to be involved in neuronal membrane trafficking or protein processing [RGD, Feb 2006]