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Product datasheet for RR205185

Wfs1 (NM_031823) Rat Tagged ORF Clone

Product data:

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

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ORF Nucleotide Sequence:

>RR205185 representing NM_031823
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTCAGGCACCCCACCTCCGAGCCCCTCTGGCCCACCTCCTCCACCCGCACCACAGCCCCAGGCCC
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GTCTGCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR205185 representing NM_031823
Red=Cloning site Green=Tags(s)

MSSGTPPPSPSGPPPPPAPQPQARARLNATTSLEQDKIEPPRAPRPQPDSSAGRSAGEATTPEPRAPHAS
SREGTDKAGPMKADVEIPFEEILEKAKAGDPKAQTEVGKHYLRLANDADEELNSCSAVAWLILAAKQGRR
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QDGGAQPGPVPKSLQKQRRMLERLVSSESKNYIALDDFVELTKKYAKGIIPNNLFLQDEDEDEDELSGKS
PEDLPLRQKVVKYPLHAIMEIKEYLIDVASKAGMHWLSTIVPTHHINALIFFFIISNLTIDFFAFFIPLV
VFYLSFVSMVICTLKVFQDSKAWENFRTLTDLLLRFEPNLDVEQAEVNFGWNHLEPYIHFLLSVVFVIFS
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ASIGYFLFLFALPILVAGLALMGTVQFARWFLSLDLTKIMVTTVICSVPLLFRWWTKANFSVVGMVKSLT
RSSIVKLILVWLTAILLFCWFYVYRSEGMKVYNSTLTWQQYGFLCGPRAWKETNMARTQILCSHLEGHRV
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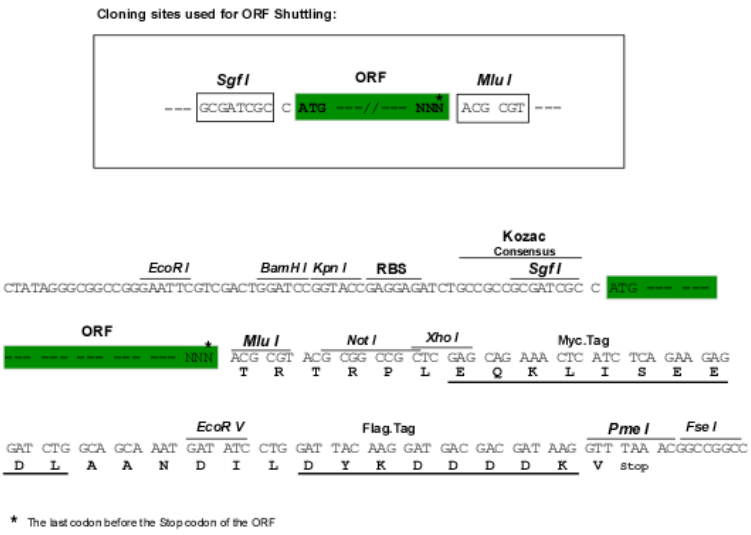
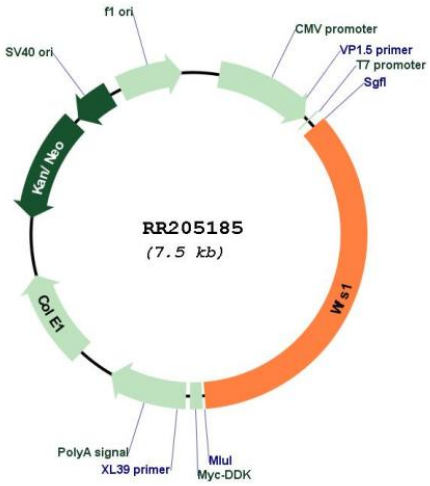
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_031823
ORF Size:	2670 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_031823.1, NP_114011.1
RefSeq Size:	2742 bp
RefSeq ORF:	2673 bp
Locus ID:	83725
Cytogenetics:	14q21
MW:	100.5 kDa
Gene Summary:	endoplasmic reticulum membrane glycoprotein; postulated to be involved in neuronal membrane trafficking or protein processing [RGD, Feb 2006]