

Product datasheet for **RR209923**

Rfng (NM_021849) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rfng (NM_021849) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rfng
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR209923 representing NM_021849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGCCGTGTGCGGGAGTGTGTGCCGGCCTGCCTCGCGCTGGCCGGTCTGGCTGTGTTGCTGC
 TACTACCGCTGCCGTACCACTACCGCTGCCGTGCCCTCGCGCTCCCGCACCCAGACCCAGGTCTGTCCC
 GACCGGGAGCCTGACCCCTCGAGGTCTCCCGCTGCAACCGGACGACGCTTTCATTGCAGTCAAGACCACT
 CGGAAGAACCACGGCCCGCCTGCGCCTGCTGTTGCGTACCTGGATCTCACGAGCCCCACGGCAGACGT
 TCATTTTCACCGATGGAGACGACCTGAGCTCCAGCTGCTGGCAGGCAGCCAAATGATCAACACCAATTG
 TTCCGCTGTGCGAACCCGCCAGGCGCTGTGCTGTAAGATGTCAGTGGAGTATGACAAGTTCATAGAGTCT
 GGACGGAAATGGTTCTGCCACGTGGATGATGACAACTACGTGAACCCAAAAGCCTGCTGCACCTGCTTT
 CCACCTTCTCTTCAACCAGGACATCTACCTGGGGCGACCTAGTCTGGACCACCCCATCGAAGCCACAGA
 GAGGGTCCAGGGCGTGGCACCTCAAACACAGTAAAATCTGGTTTGTACTGGTGGGGCTGGGTTCTGC
 CTGAGCAGGGCCTTGCCTCAAATGAGCCCGTGGGCCAGCCTAGGCAGTTTCATGAGCACAGCAGAAC
 GGGTTCGACTGCCTGACGACTGCACGGTGGATACATTGTGGAAGGGCTCCTGGGTGCCGTCTGCTTCA
 TAGCCCCCTGTTCCACTCCACCTGGAGAACTGCAGAAGCTGCCATCTGGTGTGTTCTGCAGCAGGTT
 ACCCTGAGCTATGGGGTCTGAGAACCAGCACACGTGGTGAATGTAGCTGGAAGTTTCAGCATTTCGAC
 AGGACCCTACACGGTTTCAGTCAGTGCCTTCTCTACCCAGACACCCACTGGTGTCTATGAAAAA
 CAGGGTAAGGAAGCTTTTCAG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR209923 representing NM_021849
Red=Cloning site Green=Tags(s)

MSRVRRVLCRACLALAAVLAVLLLLPLPLPLPLPRAPAPDPGRVPTGSLTLEVSRLQPDDVFIKVT
 RKNHGPRLLRLLRTWISRAPRQTFIFTDGDDPELQLLAGSQMINTNCSAVRTRQALCKKMSVEYDKFIES
 GRKWFCHVDDDDNYVNPKSLHLSTFSSNQDIYLRPSLDHPIEATERVQGGGTSNTVKFWFATGGAGFC
 LSRGLALKMSPWASLGSFMSTAERVRLPDDCTVGYIVEGLLGARLLHSPLFHSHLENLQKLP SGAVLQQV
 TLSYGGPENPHNVVNVAGSFSIRQDPTRFQSVHCLLYPDTHWCPMKNRGKEAFQ

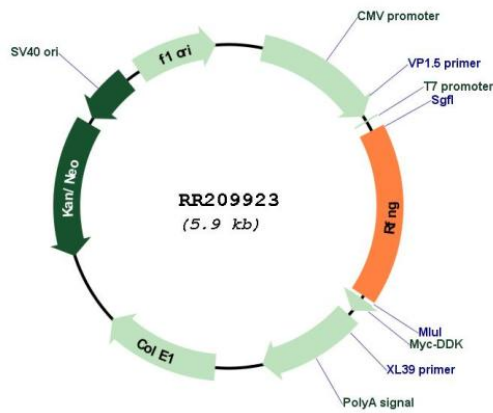
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021849

ORF Size:	1002 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:	<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_021849.1 , NP_068621.1
RefSeq Size:	1005 bp
RefSeq ORF:	1005 bp
Locus ID:	60433
UniProt ID:	Q9R1U9
Cytogenetics:	10q32.3
MW:	37 kDa
Gene Summary:	inhibits Notch effector Hes1 mRNA expression; may inhibit Notch signaling in postmitotic neurons [RGD, Feb 2006]