

Product datasheet for **RR209904**

Unc5c (NM_199407) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc5c (NM_199407) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Unc5c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR209904 representing NM_199407
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGAAAGGTCTGAGGGCGACAGCGCCGCTGCGGACTGGGACTAGGATACTTGTGTCAGATGCTTG
TGTTACCTGCCCTGGCCCTGCTCAGCGCCAGTGGCACCAGGCTCGGCCGCTCAAGATGATGACTTTTTCCA
TGAAGTCCAGAAACCTTTCCATCAGACCCACCTGAGCCATTACACACTTTCTCATTGAGCCCGAGGAA
GCTTACATTGTGAAGAACAAGCCTGTGAACCTGTATTGTAAGCCAGCCCTGCCACCCAGATCTACTTCA
AGTGCAACAGCGAATGGGTTTCATCAGAAGGACCACGTAGTAGACGAGAGGGTAGATGAAACCTCCGGTCT
CATTGTGAGAGAAGTGAAGATTGAGATTTACGCCAGCAGGTGGAGAACTGTTCCGGCCTGAAGATTAC
TGTTGCCAGTGTGTGGCCTGGAGCTCAGCGGGCACTACGAAGAGTCGGAAGGCATACGTGCGCATTGCGT
ATCTGCGGAAGACATTTGAGCAGGAACCTTGGGAAAAGAAGTGTCTTGGAGCAGGAAGTGTACTCCA
GTGCCGGCCACCTGAAGGGATCCCAATGGCTGAGGTGGAGTGGCTAAAGAATGAAGACATAATTGATCCT
GTGGAAGATCGGAATTTTATATCACTATCGATACAACCTGATCATCAAGCAGGCACGACTCTCAGATA
CAGCGAATTATACCTGTGTTGCCAAAAACATTGTTGCCAAGAGGAAAAGCACCACAGCCACCGTCATCGT
GTATGTTAATGGTGGCTGGTCCACCTGGGCAGAAATGGTCTGTGTGTAACAGCCGCTGTGGGCGAGGAT
CAGAAACGCACAAGAACCTGCACCAACCCAGCCCCCTCAATGGTGGGCGCTTCTGCGAGGGGCGAGGTG
TACAGAAAATAGCATGCACCACGTTATGCCAGTGGATGGCAGGTGGACTTCGTGGAGCAAAATGGTCAAC
TTGTGGGACTGAGTGCACCCACTGGCGGAGGAGGAGTGTACAGCACCAGCCCCAAGAACGGGGGTAAG
GACTGTGATGGCCTGGTCTCAATCCAAGAATGCACCGATGGGCTGTGCATGCAGGCTGCTCCTGACT
CAGTAGCCTTGTCTCTACGTTGGGATTGTGATCGCTGTAACCGTTTGTCTGGCAATCACTGTTGTGGT
GGCCCTGTTCTGTATCGCAAGAACCACCGTGACTTTGAGTCTAATATCATTGACTCCTCAGCACTCAAT
GGCGGCTTTCAGCCTGTGAACATCAAGGCTGCCAGACAAGATCTCCTGGCAGTACCCCGGATCTCACCT
CAGCTGCAGCCATGTACAGGGGACCCGCTATGCTCTCCATGATGTCTCAGACAAAATCCCAATGACCAA
TTCTCAAATTCTAGACCCACTGCCCAATTTGAAAATCAAAGTGTACAACAGCTCAGGTGCTGCTACTCCT
CAGGACGACCTTGTGAGTTCTCATCCAAGCTGTACCCAGATGACCAATCCTTGCTAGAGAATGAGG
CCCTGAACCTGAAGAACCAGAGTCTCGCAAGACAGACTGACCCATCCTGCACAGCGTTTGGCACCTTCAA
CTCCCTGGGCGGTCACTCATCATCCCTAATTCAGGAGTAAGCTTGTGATTCGCCGCTGGGCGCATTCT
CAGGGGAGAGTCTATGAAATGTATGTGACTGTACACAGGAAAGAAAATATGAGGCCCCCATGGAAGACT
CTCAGACCCTGCTGACCCCTGTGGTGTGAGCTGTGGGCTCCTGGAGCTCTGTTGACCCGCTCCTGTCATCCT
CACTCTGCATCACTGTGCAGACCCTAACACCGAGGACTGGAAGATCCAGCTCAAAAACAGGCGAGTGCAG
GGACAGTGGGAGGATGTTGTGGTGTGGAGAGGAAAACCTCACAACCCCTGTTACATTAGCTGGATG
CAGAGGCTTGCCATATTCTCACGGAGAACCTCAGTACCTATGCCCTGGTGGGCGAGTCCACCACCAAAGC
AGCTGCCAAGCGTCTGAAGTGGCCATCTTTGGGCCCTCTGCTGCTCTCCCTGGAGTATAGCATCAGA
GTCTACTGCCTGGATGACACACAGGATGCCCTGAAGGAAGTCTACAACCTGGAAGGCAAAATGGGAGGAC
AGCTCCTAGAAGAACCAAGGCTCTTCAATTTAAAGGCAGCATCCACAACCTGCGCCTCTCAATTCATGA
CATCACCCATCCCTCTGGAAGAGCAAATTGCTGGTAAGTATCAGGAAATCCATTTTACCACATCTGG
AGTGGCTCTCAAAGAAACCTCCACTGTACTTCACTCTGGAAGACTCAGCCTAAACACAGTAGAGCTGG
TTTGCAAACCTCTGTGTGCGGCAGGTTGAAGGAGAAGGCGAGATCTCCAGCTCAACTGACTGTGTCAGA
GGAACCTACTGGTATCGATTTGCCTCTCCTGGACCCTGCTAGCACCATTACCACTGTCACTGGACCAAGT
GCTTTCAGCATCCCTCTTCTATCCGGCAGAAGCTATGTAGCAGCCTGGATGCCCCCAAACAAGAGGCC
ATGACTGGAGGATGCTGGCCACAACTTAACCTGGACAGGTAAGTGAATTACTTTGCCACCAAATCGAG
CCCAGTGGCGTAATCCTGGATCTCTGGGAAGCACAGAAGTCCCCGATGGAACCTGAGCATGCTGGCA
GCCGCTCTGGAAGAAATGGAAGACACGAAACCGTAGTGTCTTGGCAGCAGAAGGTGAGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATGAGGTTTAA

Protein Sequence: >RR209904 representing NM_199407
Red=Cloning site Green=Tags(s)

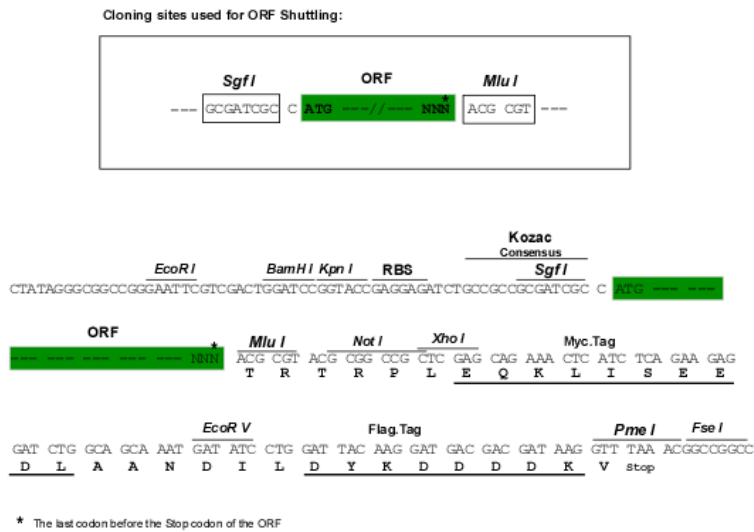
```
MRKGLRATAARCGLGLGYLLQMLVLPALALLSASGTGSAQQDDFFHELPETFPSDPPEPLPHFLIEPEE
AYIVKNKPVNLYCKASPATQIYFKCNSEVWHQKDHVVDERVDTSGLIVREVSIEISRQQVEELFGPEDY
WCQCVAWSSAGTTKSRKAYVRIAYLRKTFEQEPLGKEVSLEQEVLLQCRPPEGIPMAEVWLKNEIDIIP
VEDRNFYITIDHNLIIKQARLSDTANYTCVAKNIVAKRKSTTATVIVYVNGGWSTWAEWVCNSRCGRGY
QKRTRTCTNPAPLNGGAFCEGQSVQKIACTTLCVPDGRWTSWSKWSTCGTECTHWRRRECTAPAPKNGGK
DCDGLVLSQKNCTDGLCMQAAPDSDVALYVGIVIAVTVCLAITVVVALFVYRKNHRDFESNIIDSSALN
GGFQPVNIKAARQDLLAVPPDLTSAAMYRGPVYALHDVSDKIPMTNSPILDPLPNLKIKVYNSSGAVTP
QDDLAEFSSKLSPQMTQSLLENEALNLKNQSLARQTDPSCTAFGTFNLSGGHLIIPNSGVSLIPAGAIP
QGRVYEMYVTVHRKENMRPPMEDSQTLLTPVWSCGPPGALLTRPVILTLHHCADPNTEDWKIQLKNQAVQ
GQWEDVVVVGEENFTTPCYIQLDAEACHILTENLSTYALVGQSTTKAAAKRLKLAIFGPLCCSSLEYSIR
VYCLDDTDALKEVLQLERQMGQLLEPKALHFKGSIHNLRLSIHDITHSLWKSLLAKYQEIPFYHIW
SGSQRNHCTFTLERLSLNTVELVCKLCVRQVEGEGQIFQLNCTVSEPTGIDLPLLDPASTITTTVTGPS
AFSIPLPIRQKLCSSLDAPQTRGHDWRMLAHKLNLDRYLNYFATKSSPTGVILDLWEAQNFPDGNLSMLA
AVLEEMGRHETVVSLAAEGQY
```

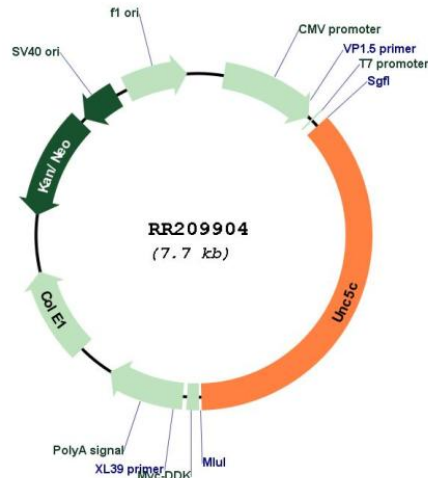
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_199407

ORF Size: 2793 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_199407.1](#), [NP_955439.1](#)

RefSeq Size: 9328 bp

RefSeq ORF: 2796 bp

Locus ID: 362049

UniProt ID: [Q761X5](#)

Cytogenetics: 2q44

MW: 103.1 kDa

Gene Summary: member of the UNC-5 family of netrin receptors; may be involved in cerebellar development [RGD, Feb 2006]