

## Product datasheet for **RN209904**

### **Unc5c (NM\_199407) Rat Untagged Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | Unc5c (NM_199407) Rat Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | Unc5c                                |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | pCMV6-Entry (PS100001)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                 |



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## Fully Sequenced ORF:

>RN209904 representing NM\_199407

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGAGGAAAGGTCTGAGGGCGACAGCGCCCGCTGCGGACTGGGACTAGGATACTTGCTGCAGATGCTTG  
TGTTACCTGCCCTGGCCCTGCTCAGCGCCAGTGGCACCAGGCTCGGCCGCTCAAGATGATGACTTTTTCCA  
TGAAGTCCAGAAACCTTTCCATCAGACCCACCTGAGCCATTACCACTTTCTCATTGAGCCCGAGGAA  
GCTTACATTGTGAAGAACAAGCCTGTGAACCTGTATTGTAAGCCAGCCCTGCCACCCAGATCTACTTCA  
AGTGCAACAGCGAATGGGTTTCATCAGAAGGACCACGTAGTAGACGAGAGGGTAGATGAAACCTCCGGTCT  
CATTGTGAGAGAAGTGAACATTGAGATTTACGCCAGCAGGTGGAGGAAGTTCGGGCTGAAGATTAC  
TGGTGCCAGTGTGTGGCCTGGAGCTCAGCGGGCACTACGAAGAGTCGAAGGCATACGTGCGCATTGCGT  
ATCTGCGGAAGACATTTGAGCAGGAACCTTGGGAAAAGAAGTGTCTTGGAGCAGGAAGTGTACTCCA  
GTGCCGGCCACCTGAAGGGATCCCAATGGCTGAGGTGGAGTGGCTAAAGAATGAAGACATAATTGATCCT  
GTCGAAGATCGGAATTTTATATCACTATCGATACAACCTGATCATCAAGCAGGCACGACTCTCAGATA  
CAGCGAATTATACCTGTGTTGCCAAAAACATTGTTGCCAAGAGGAAAAGCACCACAGCCACCGTCATCGT  
GTATGTTAATGGTGGCTGGTCCACCTGGGCAGAATGGTCTGTGTGTAACAGCCGCTGTGGGCGAGGATAT  
CAGAAACGCACAAGAACCTGCACCAACCCAGCCCCCTCAATGGTGGGCGCTTCTGCGAGGGGAGAGTG  
TACAGAAAATAGCATGCACACGTTATGCCAGTGGATGGCAGGTGGACTTCGTGGAGCAATGGTCAAC  
TTGTGGGACTGAGTGCACCCACTGGCGGAGGAGGAGTGTACAGCACCAGCCCCAAGAACGGGGGTAA  
GACTGTGATGGCCTGGTCTCAATCCAAGAAGTGCACCGATGGGCTGTGCATGCAGGCTGCTCCTGACT  
CAGATGACGTTGCTCTCTACGTTGGGATTGTGATCGCTGAACCGTTTGTCTGGCAATCACTGTTGTGGT  
GGCCCTGTTCTGTATCGCAAGAACCACCGTGACTTTGAGTCTAATATCATTGACTCCTCAGCACTCAAT  
GGCGGCTTTGAGCCTGTGAACATCAAGGCTGCCAGACAAGATCTCCTGGCAGTACCCCGGATCTCACCT  
CAGCTGCAGCCATGTACAGGGGACCCGCTATGCTCTCCATGATGTCTCAGACAAAATCCCAATGACCAA  
TTCTCCAATTCTAGACCCACTGCCCAATTTGAAAATCAAAGTGTACAACAGCTCAGGTGCTGCTACTCCT  
CAGGACGACCTTGTGAGTTCTCATCAAGCTGTACCCAGATGACCAATCCTTGCTAGAGAATGAGG  
CCCTGAACCTGAAGAACCAGAGTCTCGCAAGACAGACTGACCCATCCTGCACAGCGTTTGGCACCTTCAA  
CTCCCTGGGCGGTCACTCATCATCCCTAATTCAGGAGTAAGCTTGTGATCCCGCTGGGCGCATTCCT  
CAGGGGAGAGTCTATGAAATGTATGTGACTGTACACAGGAAAGAAAATATGAGGCCCCCATGGAAGACT  
CTCAGACCCTGTGACCCCTGTGGTGAAGTGTGGGCTCCTGGAGCTCTGTTGACCCGCTCTGTATCCT  
CACTCTGCATCACTGTGCAGACCCTAACACCGAGGACTGGAAGATCCAGCTCAAAAACAGGCAGTGCAG  
GGACAGTGGGAGGATGTTGTGGTGTGGAGAGGAAAACCTCACAACCCCTGTTACATTAGCTGGATG  
CAGAGGCTTGCCATATTCTACGGAGAACCTCAGTACCTATGCCCTGGTTGGGAGTCCACCACCAAGC  
AGCTGCCAAGCGTCTGAAGCTGGCCATCTTTGGGCCCTCTGCTGCTCTTCCCTGGAGTATAGCATCAGA  
GTCTACTGCCTGGATGACACACAGGATGCCCTGAAGGAAGTCTACAAGTGGAAAGGCAATGGGAGGAC  
AGCTCCTAGAAGAACCAAGGCTCTTCAATTTAAAGGCAGCATCCACAACCTGCGCCTCTCAATTCATGA  
CATCACCCATTCCTCTGGAAGAGCAAATGCTGGCTAAGTATCAGGAAATCCATTTTACCACATCTGG  
AGTGGCTCTCAAAGAAACCTCCACTGTACCTTCACTCTGGAAGAGTCAAGCTTAACACAGTGAAGCTGG  
TTTGCAAACTCTGTGTGCGGCAGGTTGAAGGAGAAGGGCAGATCTTCCAGCTCACTGTACTGTGTGAGA  
GGAACCTACTGGTATCGATTTGCCTCTCCTGGACCCTGTAGCACCATTACCACTGTCACTGGACCAAGT  
GCTTTCAGCATCCCTCTTCTATCCGGCAGAAGCTATGTAGCAGCCTGGATGCCCCCAACAAGAGGCC  
ATGACTGGAGGATGTGGCCACAACTTAACCTGGACAGGTAATTGAATTACTTTGCCACCAATCGAG  
CCCAGTGGCGTAATCCTGGATCTCTGGGAAGCACAGAAGTCCCGATGGAACCTGAGCATGCTGGCA  
GCCGCTCTGGAAGAAATGGAAGACACGAAACCGTAGTGTCTTGGCAGCAGAAGTCAAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Restriction Sites:

SgfI-MluI

## ACCN:

NM\_199407

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert Size:</b>           | 2796 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_199407.1</a></u> , <u><a href="#">NP_955439.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 9328 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2796 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 362049                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u><a href="#">Q761X5</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 2q44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | member of the UNC-5 family of netrin receptors; may be involved in cerebellar development [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                                                               |