

Product datasheet for **RR201200**

Unc5a (NM_022206) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unc5a (NM_022206) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Unc5a
Synonyms:	Unc5h1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR201200 representing NM_022206
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTCGGCCCGGCTGTGGCCAGTGCTCCTGGGCATAAGTCTCGCCGCTGGCTTCGTGGTTCGG
 GTGCCAGCAGAGTGCCACGGTGGCCAATCCAGTGCCCGGTGCCAACCCGACCTGCTGCCCACTTCCT
 GGTAGAGCCTGAGGACGTGTACATTGTCAAGAACAAGCCGGTGTGTTGGTGTGCAAGGCTGTGCCTGCC
 ACCCAGATCTTCTCAAGTGCAATGGGAATGGTCCGCCAGGTCGATCACGTAATTGAACGCAGCACCG
 ACAGCAGCAGCGGATTGCCAACCATGGAGTCCGTATCAACGTATCGAGGCAGCAGGTAGAGAAAGTGT
 TGGGCTGGAGGAATACTGGTGCCAGTGTGTGGCATGGAGTCTCTCGGGTACCACAAAAGTGCAGAAGGCC
 TACATCCGGATTGCCTATTTGCGCAAGAAGTCTTGGAGCAGGAGCCACTGGCCAAGGAAGTGCCTGGAGC
 AAGGCATTGTACTACCTGTGCCCCCAGAAGGAATCCCCCAGCTGAGGTGGAGTGGCTTCGAAATGA
 GGACCTCGTGGACCCCTCCCTCGATCCCAATGTGTACATCACGGGGAGCACAGCCTAGTCGTGCGTCAG
 GCCCGCTGGCCGACACGGCCAACCTACACCTGTGTGGCCAAGAACATCGTAGCCCGTCCGGAAGCACCT
 CTGCAGCGGTCAATGTTTATGTGAACGGTGGTGGTGCAGCTGGACTGAGTGGTCCGCTGCAGCGCCAG
 CTGTGGGCGTGGCTGGCAGAAACGGAGCCGGAGCTGCACCAACCCGGCACCTCTCAACGGGGGCGCCTTC
 TGTGAGGGGCAGAATGTCCAGAAACAGCCTGCGCCACTCTGTGCCCAAGTGGAGTGGAGTTCGT
 GGAGTAAGTGGTCAAGCTGTGGGCTTACTGCACCCACTGGCGGAGCCGCGAGTGTCTGACCCAGCACC
 CCGCAATGGAGGTGAGGAGTGTGGGGTGTGACTGCACCCACTGGCGGAGCCGCGAGTGTCTGACCCAGCACC
 CACACCGCTTCTTGGCCCCGAGGACGTGGCTCTACATCGGCCTGTGCGTGTGGCTGTGGCTCTTCT
 TGCTGTTGGTGGCCCTTGGACTCATTACTGTGCGCAAGAAGGAAGGGCTGGACTCCGATGTGGCCGACTC
 GTCCATCCTCACCTCGGGCTTCCAGCCTGTGAGCATCAAGCCAGCAAAGCAGACAACCCCACTGCTC
 ACCATCCAGCCAGACCTCAGCACCACTACCACTACCAGGGCAGTCTATGTTGAGGAGGATGGAC
 CCAGCCCCAAGTCCAGCTCTCTAATGGTCACTGCTCAGCCACTGGGAGTGGCCGCCATACGTTGCA
 CCACAGCTCACCCACTCTGAGGCTGAGGACTTCGTCTCCCGCTCTCCACCCAAAACCTTTCTGTTCC
 CTGCCCGCGGCACCAGCAACATGGCCTACGGGACCTTCAACTTCTCGGGGGCCGGCTGATGATCCCTA
 ATACGGGGATCAGCCTCCTACACCCCGGATGCCATCCCCGAGGAAAGATCTACGAGATCTACCTCAC
 ACTGCACAAGCCAGAAGACGTGAGGTTGCCCTAGCTGGCTGTCAGACCCCTGCTGAGTCCAGTCTGAGC
 TGTGGGCCCCAGGAGTCTGCTCACCCGGCCAGTCATCCTTGAATGGACCACTGTGGAGAGCCAGCC
 CTGACAGCTGGAGTCTGCGCCTCAAAAAGCAGTCTGCGAGGGCAGTTGGGAGGATGTGCTGCACCTTGG
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 CTGGGCGCCTTTGCCCTGGTAGGAGAGGCCCTCAGCGTGGCTGCCACCAAGCGCCTCAGGCTCCTTCTGT
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 TTCAAAGACAGTTACCACAACCTACGTCTCTCCATCCACGACGTGCCAGCTCCCTGTGGAAGAGCAAGC
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 CTTACCCTGGAGCGCATCAACGCCAGCACCCAGCAGCTGGCCTGCAAGGTGTGGTGTGGCAGGTGGAG
 GGAGATGGGCAGAGCTTCAACATCAACTTCAACATCACTAAGGACACAAGGTTTGTGTAATTGTTGGCTC
 TGGAGAGTGAAGGGGGGTCCCAGCCCTGGTGGGCCCCAGTGCCTTCAAGATCCCCTTCTCATTGGCA
 AAAGATCATCGCCAGTCTGGACCCACCCTGCAGCCGGGGCGCGACTGGAGAAGTCTAGCCAGAAAAT
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 AGGCACGGCACTTCCCAACGGCAACCTCGGCCAGCTGGCAGCAGCTGTGGCCGGACTGGCCAACCAGA
 TGCTGGCCTTTCACGGTGTGGAGGCCGAGTGT

ACGCGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201200 representing NM_022206
 Red=Cloning site Green=Tags(s)

MAVRPGLWPVLLGIVLAAWLRGSGAQQSATVANPVPGANPDLLPHFLVEPEDVYIVKNKPVLLVCKAVPA
 TQIFFKCNQEWVRQVDHVIERSTDSSSGLPTMEVRINVSRRQVEKVFGLLEEWVCQVAWSSSGTTKSQKA
 YIRIAYLRKNFEQEPLAKEVLSLEQGIIVLPCRPEGIPPAEVEWLRNEDLVDPSPDNVYITREHSLVVRQ
 ARLADTANYTCVAKNIVARRRSTSAAVIVYVNGGWSTWTEWSVCSASCGRGWQKRSRCTNPAPLNGGAF
 CEGQNVQKTACATLCPVDGSSWSKWSACGLDCTHWRSECSDPAPRNGGEECRGADLDTRNCTSDLCL
 HTASCPEVALYIGLVAVAVCLFLLLLALGLIYCRKKEGLDSDVADSSILTSGFQPVSIKPSKADNPHLL
 TIQPDLSTTTTTYQGLCSRQDGPSPKFLSNGHLLSPLGSRHTLHSSPTSEAEFVSRLSTQNYFRS
 LPRGTSNMAYGTFNFLGGRLMIPNTGISLLIPDAIPRGKIYEIYLTLHKPEDVRLPLAGCQTLSPVVS
 CGPPGVLLTRPVILAMDHCGEPSDWSLRLKKQSCGSWEDVHLGEESPSHLYYCQLEAGACYVFTEQ
 LGRFALVGEALVAATKRLRLLLFAPVACTSLEYNIRVYCLHDTHDALKEVVQLEKQLGGQLIQEPRVLH
 FKDSYHNLRLSIHDVPSLWKSLLVSYQEIPFYHIWNGTQQYLHCTFTLERINASTDLACKVWVWQVE
 GDGQSFNINFNITKDRFAELLALESEGGVPALVGPSAFKIPFLIRQKIIASLDPPCSRAGDWRTLAQKL
 HLDSHLSFFASKPSPTAMILNLWEARHPNGNLGQLAAAVAGLGQPDAGLFTVSEAE

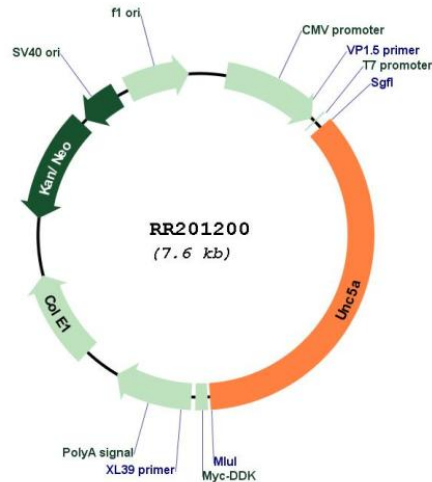
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_022206

ORF Size: 2694 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_022206.1](#), [NP_071542.1](#)

RefSeq Size: 2697 bp

RefSeq ORF: 2697 bp

Locus ID: 60629

UniProt ID: [O08721](#)

Cytogenetics: 17p14

MW: 98.8 kDa

Gene Summary: a netrin receptor involved in neuronal migration [RGD, Feb 2006]