

Product datasheet for **RN217116**

LOC100302465 (NM_001163214) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC100302465 (NM_001163214) Rat Untagged Clone
Tag:	Tag Free
Symbol:	LOC100302465
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN217116 representing NM_001163214
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCTTTGAAACATCAGTGGGACATGATTAACTGTCTGGGAAGGATCTCTGCACATGCGCTATAGTA
 CAAATGATCAAATCGCCCTTAAAAACCTCCAGTCTGGTGTACAGAGAGGAAGCTGGACTTCTCCAAGGA
 GACACTGGCATCACAGAACACAAGAATGATACCTGTCGTCTTTCCCGGCTGATTGATGAAAAGAAA
 TCGATGAAAAATGGAGCTGTGTTGTACAAAGCAATCGCCAGCCTCAGCTGTGTCTCCAAAGCCAGCTT
 CAGCTAGGCCCGGTGGAGTGAGCAAGCACAGGCCATTTGCTTTATCTCCTGATGGATTAGGAATTTTGGC
 TCCATCAGATGAGCAAGGACTGGAGATAGAACCCTGTCTACAGGGGACAATCTAGGCAAAGGTCCCCGC
 AGTGGCTTCTCTTCTATCACCATTACTGCCGACGTGTGGGTCTCCAGCCAGCAACTTGGTATGGGACA
 CTTTTAGGGACCCACTGTGTTCCAAGTGGGGACCAAGGATGCTGGGTCCAAGACCCCCAGTTCTGGC
 TAGTGGTGGCCATCTATGTCAACACAATAGACCCTACAGCTATACAGAGTTCCCAGCAATGGCTCTGTG
 GAGGGGCTGAAGGTTACTCAGGCTCACTCAAGGCTGTGTGCAAGGCAGGACTACTGGGTACCCATGCGG
 ATGATAATGAGGACAGTTTTTCTCCGACAATACCATCAAGAAAAGTCCCACTGGTATTTAGTCTTG
 TGTCCACCTCCGGGTGTCTCAACAGTGTCCAGTGCCATTTACTATTTGGACAAGTCTCTTTCTGTCCCC
 CTTGAGCAACCTCAAATTGCTAGCCCCAAAATGCACAGGTCTGTCTGTCTCTCAGCCTCCGCTGTAGTT
 CCCACAGTTAACAGCAGATGGAGTAGACAGCCAGCTAATGGAGAGCCAATCAGCAGAGCTCTATCACA
 GGAAGTCTCTGAGGAAAAACAGGACCTCTAGGCTCACAATGGGGCCAGCCACAAGAAGTCACTGGAAG
 GAGAGCCAGCATTGGTGCCAGTACATTTGGGGAGTGGCACATGCCCTCAGACTGGCTCCCTCCACTGG
 AAAATGTCAAATTTGCAGATGTGGGAAGAAACAGGTCCAGTACACAAGGAGAAAGAGGATCATGCAAC
 ATGTACCAATAGCAGCCATTCTAACCAACTCTCCATCCATATTCCTGGATGGAGTTACAGGCTGAAACA
 AAAGTACTTTCTCGGAGCAAGAAGCAGCAGCACCAAGCACAAAGGACTCTTTCTGCTTTCCAGTGGGAC
 AGAAGCCCATTAACACTTCCCTCTGTGTTGGGACAGTTTACCAAGCAATGATGGTCAGCCTAACATCCT
 TTCTGAGTCCCACAAGAGGCAACACTCATACTTCATGACACCCAAAGTCCCTCTGTCTGGGTTTTTTTGC
 CCTTTACAACTGTGTGCTCTCTGCAGGAAGATGATGCTATTCAGATAGAAACACAGTTCCCCAAAG
 ATTACAGTGTGTGACTTGGTTGTAAGTAAAGGATTGTGAGAAGCATGAAGACCCCACTGTACACCC
 TGAGCCCTCACCAGCAACCCCTCTCCAGCAACCCGAGCGGGACCACAGAGCTCTGGCCATTGGAAGAC
 AGTTTTGAGCCTCTGATGGCAAGTTCTATGACCTTGCAAGGAGCGCTGGAAGTCCATAGACCTCAGTTCA
 TTTCTCGCTCACAGAACGGCTGCAAAAGCTTAAGCACATGGTACAGCAAAGGAAACCCCAACAAAGGA
 GAGCCTGGGGCAGAAGCAAGCCTACTTCTGTCCGCGCAACAAGAAGCAGTTACCATTTCCCATCCT
 CTTAGTGATAACTTGTTCAAACCCAAAGAAAGATGCATTTAGAGAAGGAGATGCATATGAGATCTAAAA
 GAATCTATAATACTTGGCGGAAGTTAGAAAGAAAAAGAGAGCAGAAGAAAGAGTGTCTTACAGAG
 TAACAGGCTCCGAGCAGAGGTCTTCAAAAGCAATTACTGGACCAGCTCCTTCAAAGGAATGCAGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001163214

Insert Size: 2100 bp

OTI Disclaimer: 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001163214.2, NP_001156686.2</u>
RefSeq Size:	2943 bp
RefSeq ORF:	2100 bp
Locus ID:	100302465
Cytogenetics:	1q41