

Product datasheet for **RN216965**

LOC100362040 (NM_001177817) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC100362040 (NM_001177817) Rat Untagged Clone
Tag:	Tag Free
Symbol:	LOC100362040
Synonyms:	Ac2-143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216965 representing NM_001177817
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGCAAGGCCCTAAGTTGGATGCTTTGTACCTGGAAAAGAAAAGAGAAGGGAAAAGAGGAGGGTGGAG
 ATGGAGTAGAAGGAGAGGAGGAGGAAGAGGAGAAGACAACACCACCTGACAGAGTTTAAACATATACA
 GAAGTCAGTAAAGGCTAGAGCTTGTGATTGGGCAGTGGAAAGGAAAGGTGGGACTCTGAGAGTGGGAGTA
 GGTAAGAGAGGAGAGAAGGGAAGGAGAGAGAAAAGGAGGAGACAAAAGAGGAGGAGGAGAGAGGGAGAGGA
 GCAATTTCTAAATGCCACACCCACTATGATGGCTGGAAATGAAAGTTCAAAGAAGAATGTGGAGAAATC
 AGAACCCTTTAACTGCTGATGGCAACAAAAAGTAGTCCTACGGCTTTTGAAAGCAGACTGGGCAGGT
 CAATTTCCACAGGTCATTGAGGAGGAAATCTGTGGGATGGCACCAGTACAGCCAGAGAAGGACCTGG
 GGAATGCAGACGCTGCTCCACACTATTCTCAAATCATGTCCACCTCAAAGCACCAGTGTCTCTGTGT
 AGACCATTTAGCAGATGACTCTAAAGATCTAGAGGTAACTTGGGCTGGGGCTTAGTGGTGAACAGAG
 TTAAGTCCTCAGCACTCAATTCCAGGCCATTCCCTCCTATGCCAACATTGCTGAGGGTCTTTCCGTC
 TTCATGCACATCTCATTATCAAGACAAACCACATAAAGGATCTTGTAGCCGTTGAATTACATTTGAAAAG
 TGTCTTCATGACTCACTGCCACCAACTCTGCTTAAGCCCCATCCCAACCGGTCTTGGTGAAGTACT
 TGGTACACCCAGTTGATTAAGGTGGCTTAAATCTTTGGCAAAGCGCAGCATGCGGGCCTGTGAGAAGG
 CTCAGCAAAGTCTGCACAGCTGCCTCATTACACATGCAGATGTTCCAGGCAATGAGTGGGAAGGCCAA
 GACGGAGTGTGCACCCCTACAACGCCCAGAACTAGGTTCCACCATCACACATTTTAAACCACGAACCAAA
 ATGAACCCATCTTCCCTTAAAAACACTGGGGCTCTTACTGGGAGAGGTCACCAGAGAGGGAAAGACATTA
 TTGCAGTGGCCTCTCAGATTCAAGTGAATGGGGTGTACAGGAATCGAGAGATCGGGTGGGCACAGTGG
 CACACCCCTTATTCCAGCACTCCCAAGGAAGAGGCATGTGATCTACAGTTCCAGAACAGTCAAGGCTAC
 ATGGCCAGACCTGTCTCAATCAGGAAGCCATGACGCACACCCGTGCTCGAACTGTACTCGCAGCATTCA
 GACGCTGACAGAGGAGGATGGGAGTTAGAGGCCAGTGGGGCTATGGAATATCTCAACAAAAACA
 GTGGGGGATAGGGCTGGTCTCCACGTGTGATGTTCTGCCCTCAGGACTCTGCTGACAGCCTGGCTCCAC
 GGAACCTGACAGTCTCAGCCCTCCAGACTGCCATTTACTCAAGCAACACTCCAGTCACTCTCAGCG
 GACATCCAGTCTGGACCCGAGACTCTCCCTCCCTTCGCCCTCCACAGTCAAGGCCATTACAGACACCACT
 GACTGACATGAGAAGACATGGTAGAAGGGAAGTCCCGAGTGTAAACCAGGCCTGACTCTGCTCACCTGC
 TTGGGGCACAGATCTGCCCTTTCAATCATGTGATGAAGACATTTATACTACACAACTGAAGAAAATGA
 CAGTGTGGAAAACAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001177817

Insert Size: 1770 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_001177817.1, NP_001171288.1</u>
RefSeq Size:	1776 bp
RefSeq ORF:	1770 bp
Locus ID:	100362040
Cytogenetics:	9q36
Gene Summary:	DISCONTINUED: This record has been withdrawn by NCBI Staff. This record was defined by AY321337.1, which is not sufficient evidence to define a distinct gene.