

Product datasheet for **RN214222**

LOC679149 (NM_001100999) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC679149 (NM_001100999) Rat Untagged Clone
Tag:	Tag Free
Symbol:	LOC679149
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214222 representing NM_001100999
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACAGAACCAACTCCATAGCTGGCTGAATGCTGTGTTCTTTGGGCTGCTGTTCTTCTTATCCATG
 TGCAGGGTCAGCACTCACCAGAGTCCAGCCCATCAGAAACACACACATAGGCCAGTCCGAGGCAAGCT
 TGACCACGTGAAGGACACTAAAGCTGGTGCCACACCTTCTGGGAATTCCTTTGCCAAGCCTCCTGTA
 GGACCACTGCGCTTTCACCTCCTGAGGCCCTGAGCCATGGAGTGGTGTGAGAGATGGGACCTCACAAC
 CAGCCATGTGTCTGCAAAATCTTGATGTAATCAATGCAGAGGGTTGAAGGAGATGAAACTGAAGCTGCC
 TCCTGTCTCTATGTCTGAGGACTGCCTGTACCTCAACATCTATGCACCAGCCATGCCCATGAGGGCTCT
 AACCTGCCTGTAATGGTGTGGATCCATGGTGGAGGACTGATGACAGGCATGGCTTCCATGTATGATGGAT
 CTCTATTGACAGTCAATGAGGACTTGGTGGTGTCACTATCCAGTATCGTCTGGGTGCTCCTAGGCTTTTT
 CAGCACTGGAGATGAGCACGCCAGAGGCAACTGGGGATACCTGGACCAAGTGGCTGCCCTAAGATGGGTC
 CAGCAGAATATCGCCCACTTTGGAGGCAACCCTGATCGTGTCACTATTTTGGCGAGTCTGCAGGTGGTA
 CATGTGTGTCTACACATGTTGTGTCGCCCATGTCCCAAGGACTCTTTCATGGAGCCATCATGAAAAGTGG
 AGTGGCCCTGCTGCCCTACCTTATTGCTGACACCTCTGAGATGTTCTCTACTATGGTAGCCAAGGTCTCT
 GGATGTGAGGCCATGGACTCAGAGGCCCTGGTGCCTGTCTAAGAGCCAAGAGTGAAGCAGAGATTCTGG
 CTATTAACAAGGTTGTGCAGATGGTCCCTGCTGTGGTGGATGGAGAGTTCCTACCCAGGCATCCCAAAGA
 GTTGTGGCATCTGAGGATTTTCGCCCTGTCCCAAGCATCATTGGTGTCAACAATGATGAATACGGTTGG
 ACCATTCCTCTGGTCATGGGCACTACTCAAATGATAAAGGAGCTATCCAGAGAGAACCTGCAAGCTATTC
 TTAAGAAGACAACAGCACAACTGATGCTGCCTCTGGAGTGCAGTGACCTATTGATGGAAGAGTACATGGG
 GGACATTGAGGACCCCTAAGACCCTCCAAGCACAGTTTACAGAGTTGATGGAAGACTTCATGTTTGTGATC
 CCTGCACTGCAAGTGGCACATTTTCAGTGTCCCATGCCCTGTCTACTTTTATGAGTTCACACATCAGA
 TCACCTTCCTCAAGGATATCAGGCCACCCACGTGAAGGCTGACCATGGTGTGAAATTCCTTTTGTCTT
 TGGGTACTTCTTTGGGACATGAAAAGTACTTCACTGAGGAGGAGAAGCTGCTGAGCAGGAGGATGATG
 AAGTACTGGGCCAACTTTGCAAGACATGGGAACCCCAACAGTGAAGGCTATCCTACTGGCCGTGATGG
 ACCATGATCAGCAGTACCTGCAGCTGGACACCCAGCCTGCTGTGGGCAGAGCCCTGAAGGCCAGAAGGCT
 GCAGTTCTGGACAAAGACTCTGCCCCAGAAGATCCAGGAGCTAAAGGGGGCTCAGGACAATCACACAGAG
 CTT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100999
- Insert Size:** 1686 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).
- 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_001100999.1](#), [NP_001094469.1](#)

RefSeq Size: 1945 bp

RefSeq ORF: 1686 bp

Locus ID: 679149

Cytogenetics: 19p14