

Product datasheet for MR214665

2210016L21Rik (NM_028211) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2210016L21Rik (NM_028211) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2210016L21Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214665 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCGCCCAGCGGTGCAATGAGCGATTCCGAGAACAGCAGCAGTAGCAGCAGCGATGCGGAGGAAT
TGGCACGCTGTCGCGAGGCGGCTACGCCCGCTGGGGCTGGAGCAGCGCCCGGGGCAGCGGAGAGACC
CGAAGCCGGTGTGCAGATAAACAAGCACCGACCCCGCAGCCAAGCCGCAGGCATGAGGTGAACAGCAC
GAGGAAGATGGCAACGACCTTCGGACCACTCCTGAGTCCGAGCCACGTGGCCAAGAACTGGGAGCCC
TGCTGGACAGCTCCATTGCCATCGCAGAAGTTTGAAGAAGTCGAAAAGGCAAAGATGCAGCAGGTGCC
AAAGGAGGAGGATGGCTTCCGCCTTTTCTCACATCCATCCCGGAGGCCATAAGAAGGAAGCCTCTCCA
AGACCCTGCCGGAAGCGCCAGCCCCAGCTCCAGTGAGGACAGCGATGAGGAACTGCAGCGGTGCCGGG
AGGCAGCTGTGTCGGCTTCAGACATTCTCCAGGAGTCAGCCATACACTGCCCTGCCAAGGCAGAGGAGAA
GAAGAAGTTGAAAAGAAAGCCAAGAAGAAGGTGGACAAATGCTGACCTGGCTGCAGCCCCAGGTCTGGAA
CAGGTAAGGAGGCAGGCGTTGTCAATGGGACCCGGTGTGCTTGGGATCCAAAAGAAGAAAAGAAGA
AGGCCAAGAAATCCAGAGAGGCTCCCCTGTGCCACCAGCAGAGTGTGCAGCGCGAAGCCTGAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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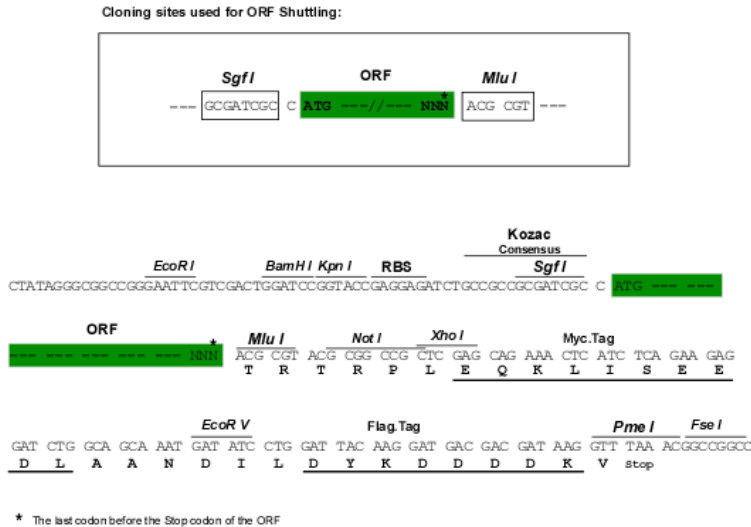
Protein Sequence: >MR214665 protein sequence
Red=Cloning site Green=Tags(s)

MVAPSGAMSDSENSSSSSDAEELARCREAATPAWGLEQRPGAERPEAGAADKQAPTPQPSRRHEVNQH
 EEDGNLRTTPEFRAHVAKKLGALLDSSIAIAEVWKSQKAKMQQVAKEDGFRLFFTSIPGGHKKEASP
 RPCRKRPSPSSSEDSDEELQRCREAAVSASDILQESAIHCPAKAEKKLKKKAKKKVDNADLAAAPGLE
 QVKEAGVNGDPVSLGIQKKKKKAKKSREAPLCPAEECAAAPEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028211

ORF Size: 771 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_028211.1](#), [NP_082487.1](#)

RefSeq Size: 1350 bp

RefSeq ORF: 771 bp

Locus ID: 72357

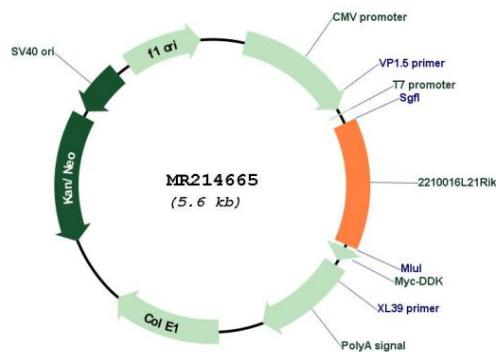
UniProt ID: [Q3UY34](#)

Cytogenetics: 5 F

MW: 27.6 kDa

Gene Summary: Plays a role in the regulation of Wnt signaling pathway during early development. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214665