

Product datasheet for MR203149

2510009E07Rik (NM_001001881) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2510009E07Rik (NM_001001881) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	2510009E07Rik
Synonyms:	A1194952
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203149 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGCGGCCACGGCGCCCGAGCGGGCTGGAAGAGCGAGAAAGTGGACGAGGCGCAGGCCCTGGCGC
GGAGCTGCGCGCCCGCAGACCCGACTTCCAGCCGTGCGACGGGCTGTCCATCTGTGCCACGCACAGCCA
CGGCAAGTGCTTCAAGCTGCACTGGTGTGTACCTGGGATGGTGTCACTGCAAATATGTGTATCAGCCT
ATGACCCCGTGGAGCAGCTCCAAGCACAGAGATCCCTGCAAAGCCCGAGAGCCGACTAACACCATT
AAATCTCCGTCTCGCTCACTGAACACTTTTGAATTTGCGTCTGTCTTCCAGCCTCCGCTTCCCCCTGA
CTCGCCAAGTACTGTATGATTTCCGATCTTTCATCGACAACATCAGGTTAAATGTATTAATGGGAAG
ATGTGCTATGTGAGAAGCAGCAGGCGCCCCACTCCAGAAAGATGAGCCCTGAGGAGGTCTCTGCACACG
ATGCCTTAATTTCTAAAGAGAGTGACACTCCGAAACTGGGTCCTGCTCCTCCCTTCCGTTCCGAGGA
CTCGGGGATCAACGCCATTGGGGCTCACTATGTGGAATCCTGTGATGAGGACACAGAAGAAGGGCGGAG
CTGAGTTCCGAAGAAGATTACAGCCCTGAGAGCAGCTGGGAACCCGATGAGTGCACCCTGCTCTCCCAT
CGCAGTCGGATCTGGAAGTGATTGAAACGATGGAGACCACTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203149 protein sequence
 Red=Cloning site Green=Tags(s)

MSAATAPERGWKSEKVDQAALARSCAARRPDFQPCDGLSICATHSHGKCFKLHWCCHLGWCHCKYVYQP
 MTPVEQLPSTEIPAKPREPTNTIQISVSLTEHFLKFASVFPPLPPDSPRYCMISDLFIDNYQVKINGK
 MCVYVQKQAPHSQKMSPEEVSADALISKESDTPKLGHCSSPSGSEDSGINAIGAHYVESCEDETEEGAE
 LSSEEDYSPESWEPDECTLLSPSQDLEVIETMETTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001001881

ORF Size: 747 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_001001881.2](#)

RefSeq Size: 5164 bp

RefSeq ORF: 747 bp

Locus ID: 72190

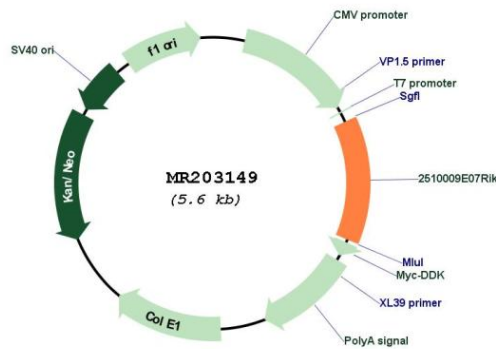
UniProt ID: [Q6GQU0](#)

Cytogenetics: 16 B1

MW: 27.5 kDa

Gene Summary: May play a role in neuronal and neurobehavioral development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203149