

Product datasheet for MR222777

2310061I04Rik (NM_001033630) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 2310061I04Rik (NM_001033630) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 2310061I04Rik
Synonyms: RP24-180B11.5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222777 representing NM_001033630
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACCGTCCGAGCCCGGGGGCCGCCGGCGCCTCGGGCCCTGCCTCCGCGCCTACCAGGCGGACCCC
 AGGACCAGCTCTCCTCGACCTCTACCATTCCCCCGCTCTGGCCCCACTCCACTCCACCAGCTTCTCC
 ATCTTTTCCTCCTCACCAGTCACTACCACCTCACATCCTCTACCCACCATCTTCCCAGGCTCTCCA
 CCACCTCTCTCAGGCCAGGCTCTCAACTCATTGAGTATGGTTCTTCTCCGAGAAAGAGGGAGAAGG
 GACCAGGACCGGAACACACAGTGGTTGCCTGGATGGGCTTAGGAGCCTTTTTGAGGGACCGCTTGCCC
 CTATCCTGGGGCTGTGATACCTTTCCAAGCCCCTGGACCTTCCCACTCTTCCCCACCCTCCATCAGGA
 GATGAGAGTATGGAGAACACCTGGCTGTCATGCATGAGAGACTAAGACAAGAGCTTCCCACCCTCTTCC
 TTCGCTCCCATGACTACACTATATATCAATGGATGTGGAATTCATCAATGAGATCCTGAACATTCGTAC
 CAAGGGCCGGACATTTTATGTTATGTCCCTGACCCTTTGCCGCTTCTGGTTTGGAACTATTTTGCACAG
 TTTTCGTTGGAGATTTTACAGCTGACCCGCCACCCTGAGAAGTGGACCCTGCAAGCCCGCTGGCGTCTAA
 TAGGCTGCCCCATACATATGCTCTTCTGCGTTTCTACAGGCGTGATAAAGAGGATCTTTACCGACCTT
 CGATGCCCTTTCCACCTTCTACCTGAATCCAGTGGCCTCATCTGTCGCCATCACCTGGACAAGCTGATG
 CCTTCACTCACCGTCGACGCTGTGAAAAGCTGCTGGTGGGAGCCCTGGTGGCCCTGGGGCTGTCAG
 AACAGAGCCAGCTTACACCTGTGCTCCAAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR222777 representing NM_001033630
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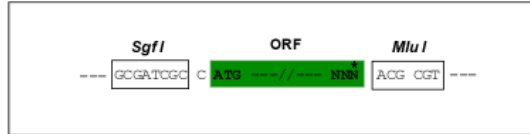
MYRPSGAARRLGPCLRAYQARPQDQLSPRPLPFPPPLWPHSTPPTSPSPFPPHRSLLPSPHPPTHLLPQAPP
 PPLSQAQALNSLSMVLPPRKREKGGPELHSGCLDGLRSLFEGPPCPYPGAVIPFQAPGPSHSSPTTPSG
 DESMEEHLAVMHERLRQELPTLFLRSHDYTIYSMDVEFINEILNIRTKGRTFYVMSLTLCRFLVWNYFAQ
 FRLEILQLTRHPENWTLQARWRLIGLPIHMLFLRFYRRDKEDLYRTFDFASTFYLNSSGLICRHHLDKLM
 PSHSPSTPVKLLVGLVALGLSEPEPSLHLSKA

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_001033630

ORF Size: 945 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_001033630.1](#), [NP_001028802.1](#)

RefSeq Size: 1252 bp

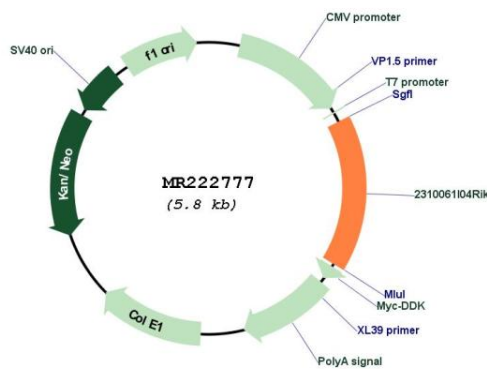
RefSeq ORF: 948 bp

Locus ID: 69662

Cytogenetics: 17 B1

MW: 36.2 kDa

Product images:



Circular map for MR222777