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Product datasheet for MR212225

1700022I11Rik (NM_026088) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700022I11Rik (NM_026088) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1700022I11Rik
Synonyms:	RP23-124L1.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR212225 representing NM_026088
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGACTTCTCCAAGGTCAGCTGACCCATGCTCTGGCCTGCAGGCACTGCAGCAGCATTACCTGCCTCC
ATAGTCCAGGGAATCTGGCCATACTAGTCTTGTTCATGGTTTGGCAGATCCGAAGATGGTGGCAGCTCAG
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AGACTTTCTGCACCTAAGGATGTCAGGGAAAACCTGGGATACAGAGAGCACCCACATGTTTCTAAGTCTC
CAGTGTCAGCGCCATCCCCTCCTCTAGACACCCTGTCAGACTACCAGAGAGAGAATCCCCCAGAGGATGG
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Protein Sequence:

>MR212225 representing NM_026088
Red=Cloning site Green=Tags(s)

MGLLQGQLTHALACRHCSSITCLHSPGNLAILVLFMVWQIRRWWQLRGWQQLQPWCSGDKMTQGKGLQLL
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QIYELPISAPCQLTVPVTEGTGPPGTPPGYEAQWGILAYKGIPQASDPLMPASCHPSGSLSKVKNVNPKE
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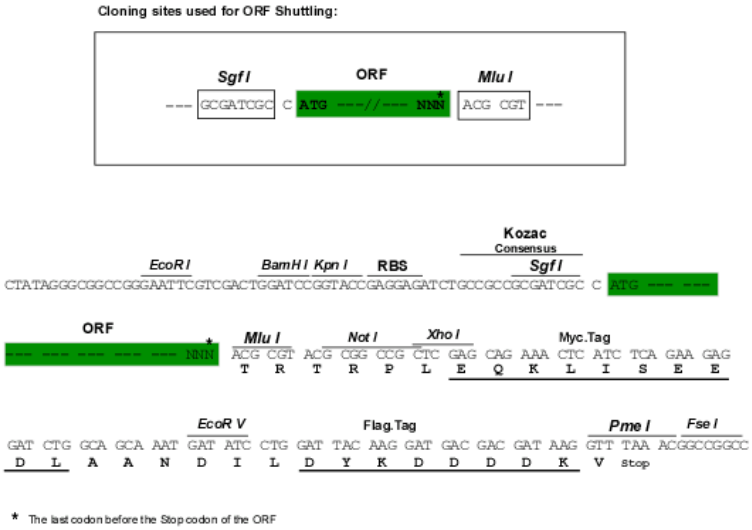
Chromatograms: https://cdn.origene.com/chromatograms/mm9095_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026088

ORF Size: 3549 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_026088.3, NP_080364.1

RefSeq Size: 3726 bp

RefSeq ORF: 3552 bp

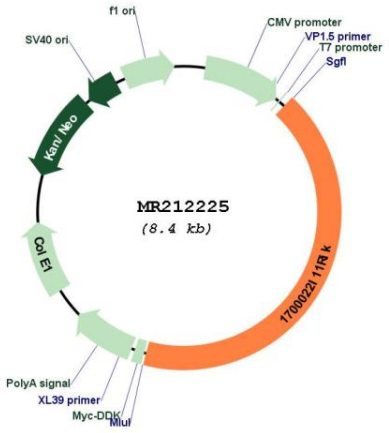
Locus ID: 67317

UniProt ID: Q3V0E1

Cytogenetics: 4

MW: 130.4 kDa

Product images:



Circular map for MR212225