

Product datasheet for MR214275

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1190007I07Rik (NM_001135569) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: 1190007I07Rik (NM_001135569) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: 1190007I07Rik

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >MR214275 representing NM_001135569
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACTCAAAACGGAGCTTTTGGGACTGAAAGAGAGACGCCACGAACCTCATGTTTCACAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214275 representing NM_001135569

Red=Cloning site Green=Tags(s)

 ${\tt MPGGVPWSAYLKMLSSSLLAMCAGAQVVHWYYRPDLTIPEIPPKPGELKTELLGLKERRHEPHVSQQ}$

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9055 e02.zip

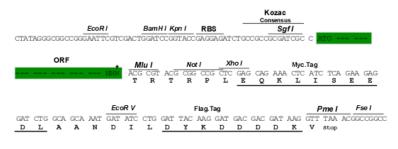
Restriction Sites: Sgfl-Mlul





Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001135569

ORF Size: 201 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: <u>NM 001135569.1</u>, <u>NP 001129041.1</u>

RefSeq Size: 560 bp

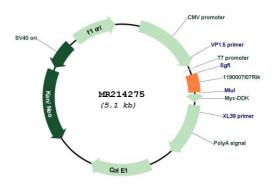


RefSeq ORF: 204 bp
Locus ID: 544717
UniProt ID: Q8BTC1
Cytogenetics: 10 C1
MW: 7.5 kDa

Gene Summary: Essential for mitochondrial respiratory chain complex III (CIII) assembly and stability.

[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214275