

Product datasheet for **MR214146**

Gm10375 (NM_001098269) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm10375 (NM_001098269) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm10375
Synonyms: ENSMUSG00000072602
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214146 representing NM_001098269
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGTTCCCAAGCAGGGTCATTTAGGAAGGCATCACCCAAACTCCCAACATCGATGAGAACGAGAAAA
GAATCAAGAGGTTGGAGAAGCTCAAAGAAATCTCAGAACATTAATAATGAGAGAGACATTCTCCAGGG
AATCCTGGCCAAGTACAAGGATTTGAATGACAGGACCAACTTTGAGACATTCATGCTTGAGATGCAAAAT
AACCAGATGATGACTGACCTGAAGAGAATGTCCCAGGACATCAGTGAGGCCTTGTACAAGTGCCAGCATT
TGACTAAAGAAAATCAATTATACTGCTGCAGGAACTGCCACCTCCTGATTGAATCTAACCTCATCCAGCA
CAAAGTCAGGATGTTGTGGAAGGAGAACAGACAGCTGCTAAGGAAGCAGATTGCATTGGAAGAATGCAAC
ATAAAAACAAAAATACTATGTAAAGAAGGCAGCCAGAAGATCAAAGACGAATATAGCAGGAAAACAATA
ATTGTGGTACCTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214146 representing NM_001098269
Red=Cloning site Green=Tags(s)

MGSQAGSFRKASPQTPNIDENEKRIKRLKLEKLRNLQNIKNERDILQGILAKYKDLNDRTNFETFMLEMQN
NQMMTDLKRMSSQDISEALYKCQHLTKENQLYCCRNCHLLIESNLIQHKVRMLWKENRQLLRKQIALEEEN
IKTKILCKEGSQIKDEYSRKTNNCGTWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9056_g11.zip



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001098269

ORF Size: 507 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_001098269.2](#), [NP_001091739.1](#)

RefSeq Size: 836 bp

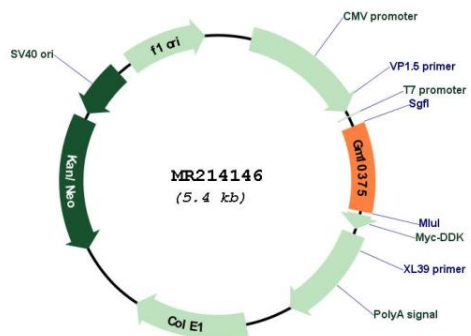
RefSeq ORF: 510 bp

Locus ID: 100042342

Cytogenetics: 14 C1

MW: 20.2 kDa

Product images:



Circular map for MR214146