

Product datasheet for **MR214960**

1110032F04Rik (NM_001167996) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: 1110032F04Rik (NM_001167996) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: 1110032F04Rik
Synonyms: A1115547
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214960 representing NM_001167996
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGGTCCCAGGGTACCGCCGAGGGCCTGTCGGTGGCTCCAGCGCCACCGCCGCTGCTGCCGCTGC
TGCTGCTGTTGGCGCTGGCGTTGGTGGCGCCCTCGCGGGCGCGGGGGCTGCGCGGAGCTGGCGTGCGG
TGAGCGGGAGCGCTGCTGCGACTCGGCCAACGCCACGGCCGTGCGCTGCTGCAAGCTGCCGCTCCACGCC
TTTCTGGACAACGTGGGCTGGTTCGTCCGCAAGCTCTCTGGGCTGCTCATCTGCTGGTGTCTTCGCCA
TCGGCTACTTCTGCAGCGCATCATCTGCCCCAGCCACGCAGGTACCCGCGTGGCCAGGCGCGACTGG
CCAGGCACGACCCGGCCCTCCCGGGGTGCGGGACCGCCGGGACGGCGGGCCACCCGACGACGACGAC
GACTCGCCCGCTCTGCTGCGCGACGAGGTGGCCGCGGGCTCGCAGGACTCACTGTTGGATAGTGGCGGTG
GTCGGGGCCGAGGAAGTGGCGGACGCTGCCTCCCTCCTGCGTTTCGGAGCACGAGCTGCACGTGGTGTG
ACCGGTGTTTCTCCAGCTGCCAGCTACGAGGAGTCAAGTACCTGCCACCTATGAGGAGTCCATGCGG
CTGCAGCAGCTCAGCCAGCGGAGGTGCTGCTGCCGTGTCGGTGTGCTCGGCCGCCGAGGCGGCGCATG
CCGGGGACTCCGACGGCGCCAGGTCCGTTTCCCGCTCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214960 representing NM_001167996
Red=Cloning site Green=Tags(s)

MWGPVTAEGLSVAPAPPPLPLLLLLLALALVAPSRGGGGCAELACGERERCCDSANATAVRCKLPLHA
 FLDNVGWFVRKLSGLLILLVLF AIGYFLQRIICPSPRRYPRGQARPGQARPGPPGAGPPGTAGPPDDDD
 DSPALLRDEVAAGSQDSLSDSGGGRGRSGGRLPPSCVSEHELHVVPVFLQLPSYEEVKYLPPTYEESMR
 LQQLSPAEVVLPVSVLGRPRGGSAGDSGGQVRFPLI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001167996

ORF Size: 741 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_001167996.1](#), [NP_001161468.1](#)

RefSeq Size: 2578 bp

RefSeq ORF: 744 bp

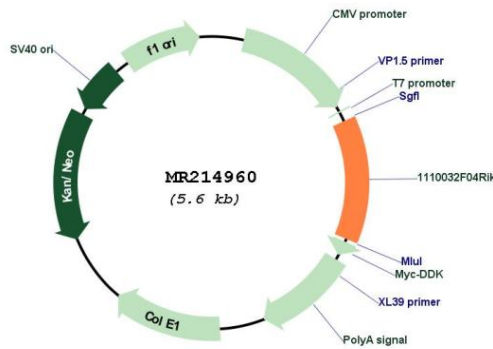
Locus ID: 68725

UniProt ID: [E9Q0B3](#)

Cytogenetics: 3 E1

MW: 26.2 kDa

Product images:



Circular map for MR214960