

Product datasheet for MR213248

1700029J07Rik (NM_001033148) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1700029J07Rik (NM_001033148) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1700029J07Rik
Synonyms:	MGC130198
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213248 representing NM_001033148 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGATAGAAGGTGGGAAAACAGATATGGAGAGGATTGGCCTCTTCAGTGAGATGGAATACATCACTG
TGGGCGACAAATATGTGTACCATTAAATCGACCCTTAAATGAGGCTGCAAGCAAAAATAGACAGATCCT
ACCGGGGGAACCAAGAAATGTCCAGTCTCCAGGCAGGATACTTTGATTCCCAGTTTGAAGGATTTTT
GAAGGGGAAGGCTACGTGAATTTGAATCAAGTGAAGGACGGTATATGCTGGCAGAATCCAAAAGAACC
TAGGCAAAGCTTTCATCCCTAGTAGCGGAGAGAAAAAGCCAAGTGGATTAGGAAGCTATTATGGAACAAT
TGGTGGTCTGTCCCATTCTTCAGTGCTCAGATAAAACCCAAGGACAAGTATCAGCCACCGGGAAGAAT
TTATATACCAACCCAGGAAAAAAGGAAGTGGATATGGCTATGCCAATGTTACCATAGGCAAGCAGCTTT
CACATTCTTGACTTATATGACGCAGCGAGACAGAGTTATAAGAAAGAAAGTGAAGAGCACCATCGACT
AATCAAAGGGTACCTTTCAAGCTGCATCTTCACCCGAAGGACTATTTTGATACTAACCTTACTTTTTA
GAGCACCATTTACCTCCCTTAGGAGAGAAGAAAAGAAGGAGTGTCTTTCAAGCCCTTAAAGCCCTCT
CTCCTGGTAAAAAGGCTGGTGAATGAAAGCAGGGCATTGACCCTTACCCAGCACACTCAGCGGACCC
TACGTGGTCAAAGTGGAAAAGGCGATTCTTCGAAAGGTGAAAGGGTTTTCCACCCACCAATGGACCA
AAAAGCAGACCCGTTGAAAGTATAATGGCGCTGAATGTCAAAGGCGATTAAACGTGAAGAACTACAAGA
ATGCCTCTCAACCACTCTGGGAAAGCAGTTAGTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213248 representing NM_001033148
Red=Cloning site Green=Tags(s)

MPIEGGKTDMERIGLFSSEMEYITVGDKYVSPFNRPFNEAASKNRQILPGGKEMSSLQAGYFDSQFARIF
 EGEgyvnlNqVRRRYMLAESKKNLGKAFIPSSGEKKPSGLGSYYGTIGGPVPPFFSAQIKPKDKYQPPGKN
 LYTNPGKKGTGYGANVTIGKQLSHSSDLYDAARQSYKKESEEHRLIKGSPFKLHLHPKDYFDTNPYFL
 EHLLPPLRREEKKEVSFKPFKPPSPGKAGGMKAGAFDPYPAHSADPYVVKVEKAIPSKGERVVFHPNPG
 KSRPVESIMALNVKRALNVKNYNASSTTLGKQLVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9060_c08.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_001033148

ORF Size: 948 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_001033148.3](#), [NP_001028320.1](#)

RefSeq Size: 2740 bp

RefSeq ORF: 951 bp

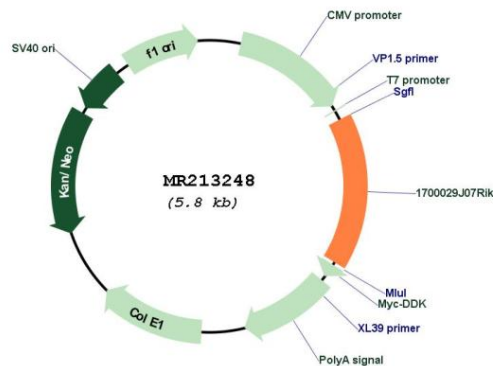
Locus ID: 69479

UniProt ID: [Q3U1D9](#)

Cytogenetics: 8 B1.1

MW: 35.3 kDa

Product images:



Circular map for MR213248