

Product datasheet for MR214363

Gm13178 (NM_001085536) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm13178 (NM_001085536) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm13178
Synonyms: Gm437; OTTMUSG00000010750
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214363 representing NM_001085536
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGTTTTGGCTGGTGCTGATAGGAGGGCTGCTCACATTCTTCTGGGAGTCTTTGTATGGGTTT
 TCATCCAGCACCTTCTCACTATTGAAATTCATCTACCTGAAGCATCCAGTCAAGCTATGGATTTTGCA
 TTTGATTTCCAGTATTTGATACTTTGGGGACCATACTAGAGAACTGAGAATTTGTTCCATGCCTGCA
 ATTTTACAGTTTTTCAAGACCTAATAATAATAAAAAAGAAAGTTCCAAATGTGATAGTGACTGACACAC
 GTTTTGGGACGGTACCTGTGAGGCTGTTAGGCCCAAAGAGGTGCTTCCAAACCCGGAGAGGCATCAT
 ATTCTACCATGGAGGAGGTGCCGTATGTGGAAGTCTGGACTTTTACCATGGCCTGGGCAATGTCCTTGCC
 CATGAGACAGACTCAGTGGTCTTGTGGTGGGGTACCGCAAGCTTCTGACCACCATCATCTGTTGTTT
 ACCTGGATTGCCTGAATGCTTCCATCCACTTCTGAAGAACCTTCAAACCTATGGGGTAGATCCCTCTCG
 GGTGGTGATCTCTGGAGAAAGTATTGGAGGTTGGACTGTGGCCACTGTCACTCAGGCTTTGGTCAGTCAA
 GCCATACTTCCCAGATCAGGGCTCAAGTGCTGATTACTCCAGGTTTGCAGGGCATTAAATTTCCAGTTAC
 CATCACACCAGCAGAAACAAAATGTCCCATTGCTTACCAGAGACTTAGTGATTACATTTGTTGTAGATA
 CCTAAGCATTGACCTCTCTTGGAAAAATGCCATAGTGACAGGAGCTTTTGTGCCCTGGACACCTGGAAA
 AAGTACAGCAAGTGGCTCAGCTGACAAATTTCCAAAAGGTTTAAAGAGCAAAAATTCATCCCGAGT
 TTCTGGGACCTTTCAGTGAGACTGCCTATCTAGAAACGAAGCATGTTTTCGATGTAACATCTCACCTCT
 CCTAGCAGATGACAAGATCATTGCTCAACTTCCAGACACATTTCTGGTGAGCTGTGAGCATGATGTTCTC
 CGGGATGATGCCTTGCTCTACAAGAAGCGCTTGAAGACCCAGGGGTTCTGTGCTGTTACCATGCGG
 AGGATGGCTTTCATGGCTGCATCAGTTTGTGATAAGCAGCCTTCTCTTCCCTGCTCCATGAATGT
 TTTAAATGCTGTCATCAGTTACATTAAGGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214363 representing NM_001085536
Red=Cloning site Green=Tags(s)

MAGFWLVLIGLLTFFLVGVVWVFIQHLLTIEIPSTLKHPVKLWILHLIFQYLITLGTILEKLRICSMIPA
 ILQFFQDLIIIKKKVNPVIVTDTRFGTVPVRLFRPKEVSSKPRRGIIFYHGGGAVCGSLDFYHGLGNVLA
 HETDSVLLVGYRKLDPDHHHPVVYLDCLNASIHFLKNLQTYGVDP SRVVISGESIGGWTVATVTQALVSQ
 AILPQIRAQVLI TPGLQGINFQLP SHQKQNVPLL TRDLVITFVCRYLSIDL SWKNAIVTGAFVPLDTWK
 KYSKWLSNDNIPKRFKSKKFHPEFLGPFSETAYLETKHVFDVNI SPLLAADKIIAQLPDTFLVSCHEHDVL
 RDDALLYKKRLEDQGVPSWYHAEDGFHGCISLFDKQPF SFPCS MNVLNAVISYIKDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9072_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001085536

ORF Size: 1224 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_001085536.2](#)

RefSeq Size: 1227 bp

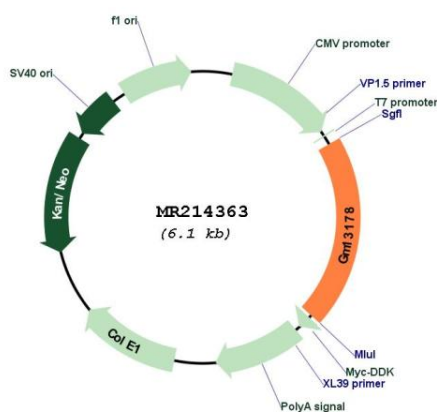
RefSeq ORF: 1227 bp

Locus ID: 546849

Cytogenetics: 4 E1

MW: 46.1 kDa

Product images:



Circular map for MR214363