

Product datasheet for MR213135

Gm438 (NM_001126316) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm438 (NM_001126316) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm438
Synonyms: RP23-273M9.1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR213135 representing NM_001126316
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGTCTGTGGCTGGTCTTAGCAGGAGTATCCACATCTTCTGGGGTCTTTGTATGGCCA
TCATAACACTTTCTCACTGTTGAAATCCATCTACCTGAAGCATCCAGCCAAATTAAGGTTTTGCA
TTGCATGCTCCTGTACCTGATACTCTGGGAAACATACTAGAGAACTGAGAATTTGTTCCATACCCAGG
TTTTTACAATTTGTCCAAGATCTAATCCTGATAAGGAAGAAGCTAATGTGGCGGTGACTGACATGCATT
TTGGGACAGTTCTGTGAGGCTTCAAGCCAAAGAAGCGTCTCCAAATACAGGCGAGATACTTACCA
TGGCCTGGGACAGTTCTGGCCATGAGACAGACTCATTGGTGTGTTGGTGGGGTACCGAAAGCTTCT
GACTACCATCACCTGTCCCTTTCAAGGATTGCCTGAATGCTACTATCTACTTCTGAAGAACCTGGAAA
TTTTGGGGTAGATCCCTCCCGGGTGGTACTCTGTGGAGACAGTCTGGAGGTTGGGCTGTGGCCACGGT
CACCCAGGTCTTAACAAGCATGCCAAATCTACCTCGAATCCAGACTCAAGTCTTGATTTACCCAATCTG
CACTTCATCAATTTTCAGTTACCATCATATCAGCAAAACAAAAATGTGCCATTTCTTACCAGAGACATGT
TGCTTATGTGTGTTTGAATACCTGGCCATTGATCTCTCTTGGACAGATGCCATGTCTACAGGTGCAGT
TATACCTCTGGACAAGTGAAGAAGTACAGGAAATGGCTCAGTTATGATAACATCCCAGAAGGTTCTGG
AGACAAGACACACAACCTGAGGTTCTTGGACCTTCAATGAGGCTGCTTATCTAGAAACCAACATGTTT
GGAATGCAGAAATTTACCTCTCCTAGCAGATGACAAGATCATTGCTCAGCTTCCCTAAGACATTCCTGGT
GAGCTGTGAACATGATGTTCTCCGAGATGATGCCTTGCTCTACAAGAGGCGCTTGAAGACCAGGGGATC
CCTGTGAGCTGGTACCATGCGGAGGATGGCTTTCATGCATGCATCAATTTGTTTGATAAGCAGCCTTTCT
CTTCCCTGCTCCATGAAAGTTACAAATGCTGTTGCCGTTACATAAAAGACATGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213135 representing NM_001126316
Red=Cloning site Green=Tags(s)

MSVLWLVLLAGVSTFFLVGFVWAIQHFLLTVEIPSTLKHPAKLRFHLCMLLYLITLGNILEKLRICSIPR
 FLQFVQDLILIRKNSNAVVTDMHFGTVPVRLFKPKEASSKYRRDITYHGLGSFLAHEHDSLVLLVGYRKL
 DYHHPVPFKDCLNATIYFLKNLEILGVDP SRVVL CGDSLGGWAVATVTQVLT SMPNLPRIQTVLIYPIL
 HF INFQLPSYQQKNVFLTRDMLLMCVCKYLAIDL SWTDAMSTGAVIPLDKWKKYRKWLSYDNI PRRFW
 RQDTQPEVLGPFNEAAYLETKHVWNAEISPLLADDKIIAQLPKTFLV SCEHDVLRDDALL YKRRLEDQGI
 PVSWYHAEDGFHACINLFDKQPF SFPSCMKVTNAVARYIKDMC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001126316

ORF Size: 1179 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_001126316.1](#), [NP_001119788.1](#)

RefSeq Size: 1432 bp

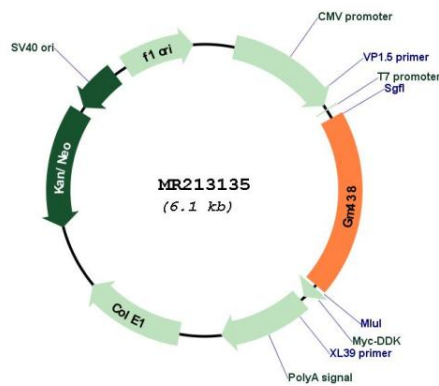
RefSeq ORF: 1182 bp

Locus ID: 329993

Cytogenetics: 4 E1

MW: 45.3 kDa

Product images:



Circular map for MR213135