

Product datasheet for **MR228448**

Gm38425 (NM_001251890) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm38425 (NM_001251890) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm38425
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228448 representing NM_001251890
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGATCCCGGTGAGGACAACGCAGGTGGCAGTACAGGGTTGATGAAGGCAGCGAGGATGGGCAGC
 ATAGGCCCTCAAGCTGCAGGTGCCAGGCTAGCTCTCAGAGTTGGCGACTGAGGATGACCACGACAACCTC
 CCCTCTTGAGAGTGGCCTACAGGATGCAGGCAGTGAGGCTGCTCCAGGCAACTCCCGCTCAGGGAGCCCT
 GGAGTGTCAAGGATGTGAGTGAAGAGGCAGCTGCTCTCCTCAGGAAGAGCAGGTGCCACTTCTCCCTG
 GGCCAGCAGAGATGCTGTGACAACGCAAGTCGACTCCTGGAGTTCTCTGTGAGAGTGCCTTTCTCTTC
 TGCTGTGGAGGCAGACATGGCCCGCAGGTCCCTGGTCGCAACACCCAGCATCAGCTCTTAATGGTTCCA
 CAGGAGTACACTGTGAATGACAGTATCTTAGCTGTTAGGTGGACTACAGAAGACCCGTTCTCTCCGAA
 TTTCCATCAATAACTTCTTGATCAACTCTCCCTGGTCATGAGAAACATTCAACACCTTCAGTTTGTGGC
 TTTTAAACGAAGAAGAGAAAGAAGTCGTAATAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228448 representing NM_001251890
 Red=Cloning site Green=Tags(s)

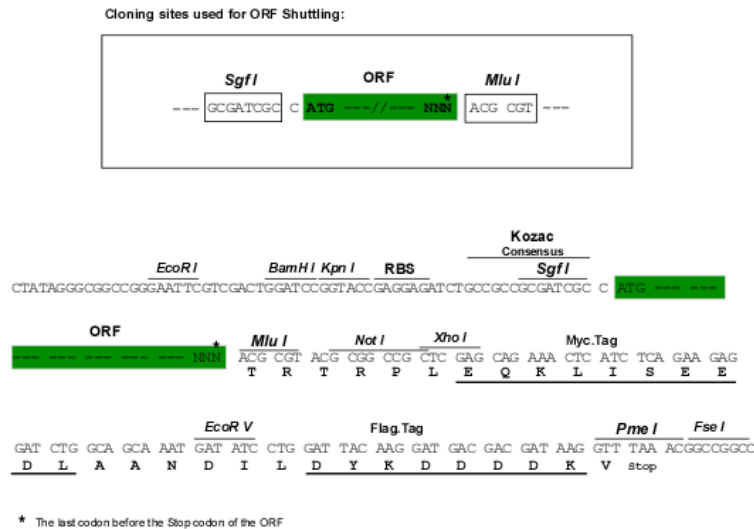
MQDPGEDNAGGSTGVDEGSEDGQHRPQAAGAQAASSQSLATEDDDHNSPLESLQDAGSEAAPGNSRSGSP
 GVGMSAEAAVLPQEEQVPLLPGPSRDAVTTASRLLEFSVRVPFSSAVEADMARRSLVANTQHQLLMVP
 QEYTVNDSILAVRWTTEDPVLFRISINNFLDQLSLVMRNIQHLQFVAFKRRRRERSRNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001251890

ORF Size: 594 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001251890.1](#), [NP_001238819.1](#)

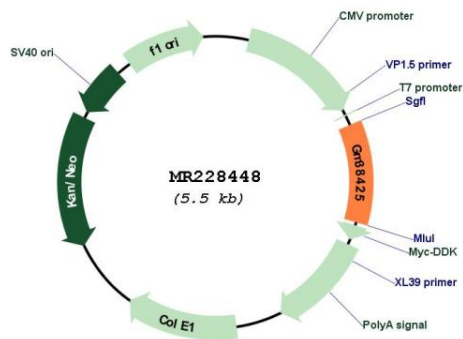
RefSeq Size: 1693 bp

RefSeq ORF: 597 bp

Locus ID: 100503280

Cytogenetics: X
MW: 21.8 kDa

Product images:



Circular map for MR228448