

Product datasheet for **MR220883**

Gm2897 (NM_001177715) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm2897 (NM_001177715) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm2897
Synonyms: 100040671; ENSMUSG00000079410
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR220883 representing NM_001177715
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCAAGAAGAGATCAAAAATAAATGAACTAGAAGAACTGAAATTGGATATGAGGAAGATCAGCAATG
 ACATGGAGGAAATGTGTGGAATCCTGAACCTTTACATGTATGAGGATTTGAACTACAGGATGAACACTGA
 ATTCAACATCATTAAATCACAACATGAGAAGACAATGTTGGATATGAATAAAATGATCCAGTCCATAATT
 GGTTCCATGCAGTACTCAAGGAACTGATAGAAGATAACTATTCCTACAGCATTAAAGGAGGACCACCTCC
 TCCGTGAGTGCCTCACTCAACGAAAACGTAAGGATATTACTGAATGAGAACAGAAGGCTGCTGGTGGG
 GCAGGCTGCCATAAGTGTCTGTGGGGAAGAAAAGAGGTTCTGTGAGGAGGCCAGCAAGAACATCTGTG
 TCCAAGTGCCAAGGAACAGCAGTCCAGCAGAAAAGCAGAACATGGCACAGACCAGGACATGATCTCCCTC
 AAAGAGAAGTGTGGAGGAAGAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR220883 representing NM_001177715
 Red=Cloning site Green=Tags(s)

MTKKRSKINELEELKLDMRKISNDMEEMCGILNLYMYEDLNRYMNTFNIKIQHEKTMKMIQSI
 GSMQYSKELIEDNYSYSIKEDHLLRECTQLNENVRILLNENRLLVEQAGHKCPVGKRGSVRRPARTSV
 SQVPRNSSPAESRTWHRPGHDLPPQREVLEEEH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

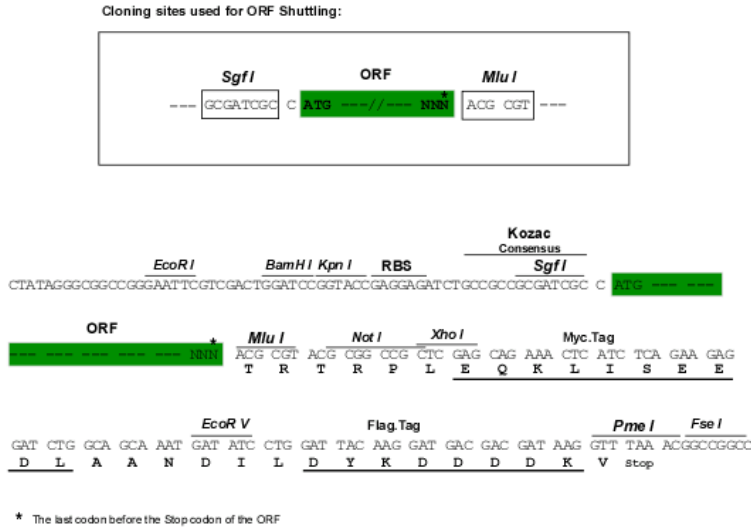
Chromatograms: https://cdn.origene.com/chromatograms/mm9056_f06.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001177715

ORF Size: 516 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_001177715.2](#), [NP_001171186.1](#)

RefSeq Size: 1991 bp

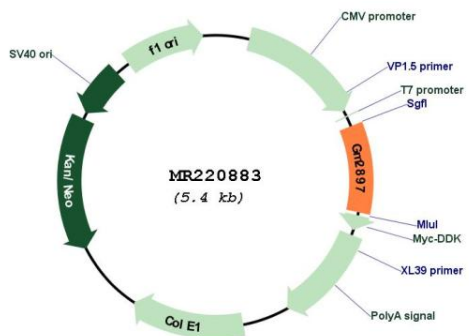
RefSeq ORF: 519 bp

Locus ID: 100040671

Cytogenetics: 14

MW: 20.4 kDa

Product images:



Circular map for MR220883