

Product datasheet for **MR228905**

Gm21671 (NM_001281516) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm21671 (NM_001281516) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm21671
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228905 representing NM_001281516
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCTTGTTTGCCCGACTCTGCAGACTTTTTCAGAGAGCCAATGTGGAAGGGAGAGAGACCAGAGAGG
GGAGGAAGGATGCTGACCTTCCATCTGAGAGGAATGAAGGACAAAGGAGGTGGACTTGGCGAATGTGGAT
GGCTCACAGACAGAAAACATCACCTGTACCTGTCACAAGCAAAAAGCAGTTTGAGAAGGAAGAGAAGGAG
CTGATCAAAAAGATCCAGCTCACTACCGAGGAGACAAATGAGCTGAGAGATCGCCTGATCTACGTGACCA
AGGGATCCATGAACAAGAGGCCCTACCACAGGCAAACCTCGACATTATAAAGAAGTAAATTAAGGAGAA
GGAGATCATGACATATCTACACATCTTAGAGATGGAGAACATGGAGGCCCGAGAGAACAAGCAGGAGCTC
AAGAAGGAGAAAAATTTCTATCGTAACTGCACACCCGGATCCTGCTGGAGGAGAATCTTATAAAGAAGA
AGTTGGCGATATTGCAGCAGGAGAGCAAGGAAATACATGCTGATTGGCCATCATTCAACAACGTTTGGT
GGAGTTGAACCTGAGTGGTAAAGACGAACAGGAGAAGACCAGCAACCTGGAGACTCAAGAACATCAGGTC
TCAGAAGCTGCAAGAGAGCTGGGATTGGCCACAGCTGAAGAAGACAGCATCTGCAGAATGAGTTGCCAT
GCCAGGAGGCCCTGCTGAGCACCATCCCCAGCACCCACCATCTCCTCAGATGAATCTCCTCAGATGA
ATCTTCTATAGCACATGTCCTGAGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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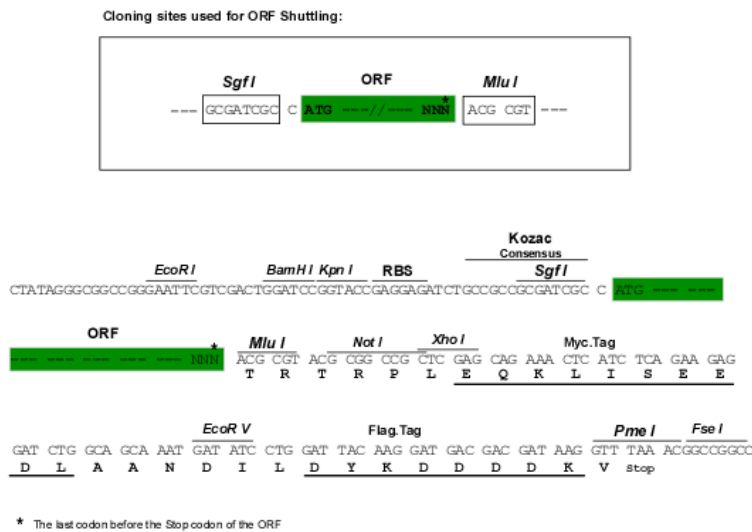
Protein Sequence: >MR228905 representing NM_001281516
Red=Cloning site Green=Tags(s)

MALFARLCRLFQRANVEGRETRGRKDALPLSERNEGQRRWTRMWMMAHRQKTSPVPVTSKKQFEKEEKE
 LIKKIQLTTEETNELRDRLIYVTKGSMNKRPYHRQTRHYKELKLEKEIMTYLHILEMENMEARENKQEL
 KKEKNFYRNLHTRILLEENLIKKLAILQQESKEIHADWAI IQQRLVELNLSGKDEQEKTSNLETQEHQV
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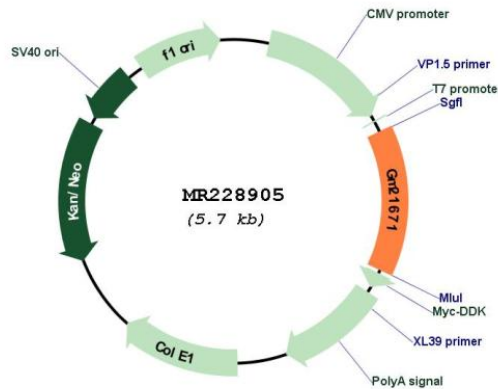
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001281516

ORF Size: 801 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:	<ol style="list-style-type: none">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_001281516.1 , NP_001268445.1
RefSeq Size:	804 bp
RefSeq ORF:	804 bp
Locus ID:	100862359
Cytogenetics:	5
MW:	32.2 kDa