

Product datasheet for **MR228105**

Gm21319 (NM_001270722) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm21319 (NM_001270722) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm21319
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228105 representing NM_001270722
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCAAAGAATAAAGGCAAAGGAGGCAAAAACAGGTGCAGAGGTAAAAATGAAATGAATCTGAGAAAA
GAGAGTTGGTGTTTAAAGAATATGGGCAAGAGTATGCTCAGGTGACCAAAATGCTGGGATGTGGACGGTT
GGAAGCAATGTGTTTGTGTTGTAAGGAGGCTGTGCCACATAAGAGGAAAGTTGAGAAAAAGGTTTG
ATAAATACCTCAGACATTATATTGGTTGGTCTACAAGACTATCAAGATAACAAAGCTGATGTAATCTTAA
AGTACAATCTAGATGAAGCAAGAAGTCTGAAGGCCTATGGAGAACTTCAAGAACATGCCAAATCAATGA
AACGGACACATTTGGTCCTGGGGATGATGATGAAATCGTGTGTTGATGATACTGGAGATGATGATGAAGAC
ATTGATGATATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228105 representing NM_001270722
Red=Cloning site Green=Tags(s)

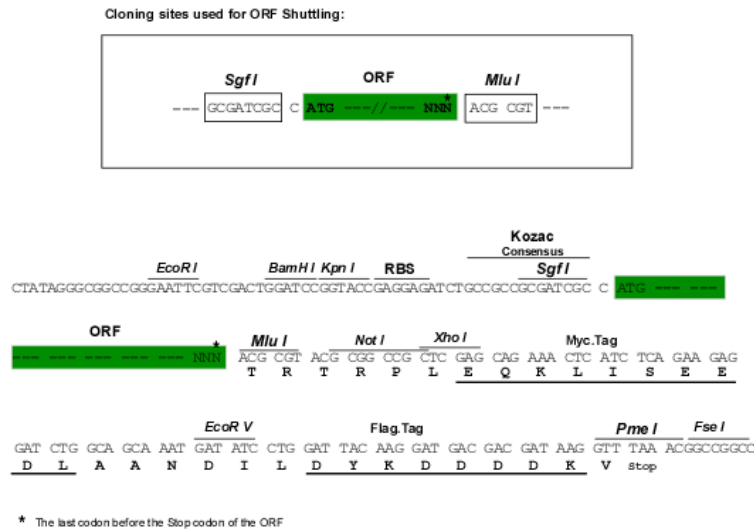
MPKNKGKGGKNRCRGNENESEKRELVFKEYGQEYAVTKMLGCGRLEAMCFDGVRRLLCHIRGKLRKKVW
INTSDIILVGLQDYQDNKADVILKYNLDEARSLKAYGELQEHAKINETDTFGPGDDDEIVFDDTGDDDED
IDDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001270722

ORF Size: 432 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_001270722.1](#), [NP_001257651.1](#)

RefSeq Size: 1863 bp

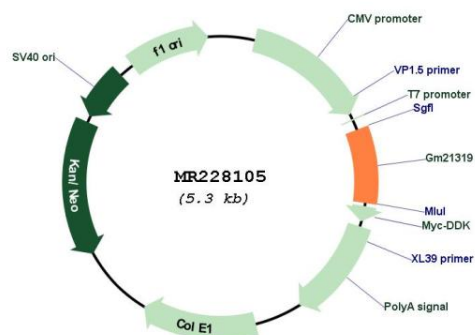
RefSeq ORF: 435 bp

Locus ID: 100861908

Cytogenetics: 12

MW: 16.9 kDa

Product images:



Circular map for MR228105