

Product datasheet for **MR228223**

Gm15816 (NM_001282148) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm15816 (NM_001282148) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm15816
Synonyms: OTTMUSG00000026380
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR228223 representing NM_001282148
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCTGTCCCCGGAGCCAAGAAGAAGCCTTTCTCTGCTGTCATCTATGGGGAATGTCGGTGGG
CTTGGACTGGGAGCACGGCTGGCAGGGCTTCGGCAAACATTGGCTTGGGCACGCGCAGCGCTGCCTCAG
CCCTCCGCCATCCCACTCTGTTCTTGAATGGATGGAAGTTCGGTCTGACTATCGTGCCTCTACAGTGC
CTAAGGACAGAGGCAGGCAACCCTTCTATCCATAGGCTCTGCTCTACCTTCTTGTAACAATGTTGCC
TGTTTCATCTGTGAATTGTTCTCCGTACCTGCTCTCCTGGAATATTCTGAAGCTCATCCCCCTGGAGTT
AGAAGAAGGGAAAGACCCAGACTGCATCACCATGCATGAGCCACAGACCGTCTCTGGCACCCGAGGTCC
GGCCCCGCTACCTGCCGCTTGCTGGTGTACCTTCAGGAAGACCCGTCGGCGGACCACCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228223 representing NM_001282148
Red=Cloning site Green=Tags(s)

MASCPPEPRRSLSLSSMGNVGGAWTGEHWQGFQKHWLGHARCLSPPPSHSVPWNGWKFGLTIVPLQC
LRTEAGNPSIHR LCSYLLGNVALFICELFLRHLLSWNLIKLIPELEEGKDPDCITMHEPQTVLWHPRS
GPRYPAACLVLPGRPVGGPPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001282148

ORF Size: 486 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_001282148.1](#), [NP_001269077.1](#)

RefSeq Size: 1697 bp

RefSeq ORF: 489 bp

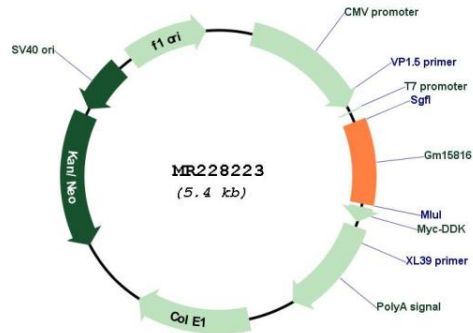
Locus ID: 101056408

Cytogenetics: 8 11.42 cM

MW: 18.4 kDa

Gene Summary: This gene is represented as protein-coding. However, it is unclear whether it has protein-coding capacity or whether it is an antisense transcript of ankyrin 1, erythroid (GeneID: 11733), which is on the opposite strand. [provided by RefSeq, Aug 2013]

Product images:



Circular map for MR228223