

## Product datasheet for **MR219236**

### Gm14743 (NM\_001126321) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gm14743 (NM\_001126321) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gm14743  
**Synonyms:** OTTMUSG00000017864  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR219236 representing NM\_001126321  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGTGAAGTTTCTGCTGCTGGCATTGGTATTTGGACTGGCCATGTCCATGCTCATGATCATCCTG  
AGTTACAAGGACAATGAAAAACCACTGCCATCATGGCTGATAATATTGACAAGATAGAGACGAGTGGTCC  
CCTGGAGCTCTTTGTTTCGTGAAATTAATGTTGATGAGGGATGTCAAAAAATGAAAGTCACATTTTATGTC  
AAGCAAAATGGACAATGCTCATTGACCACAGTCACTGGGTATAAGCAAGAAGATGGCAAGACTTTTAAAA  
ACCAAGTATGAAGGTGAAAATAACTATAAACTGTTGAAAGCAACATCAGAGAATTTAGTCTTTTATGATGA  
GAATGTGGACAGAGCCAGCCGAAAACAAAATTGTTGTATATTCTTGAAAGGGTGAAGCTTAACATCAT  
GAGCAAAAGGAAAGACTTACTGAGTTAGCTACTCAAAAAGGCATTCCAGCTGAAACCTTAAGAAGCTCG  
CATGAAGATACCTGTCCAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219236 representing NM\_001126321  
Red=Cloning site Green=Tags(s)  
MMVKFLLALVFGLAHVHAHDHPELQGGWKTAIMADNIDKIETSGPLELHVREITCDEGCQKMKVTFYV  
KQNGQCSLTTVTGYKQEDGKTFKNQYEGENNYKLLKATSENLFYDENVDRASRKTLLYLKGEALHTH  
EQKERLTELATQKGIPAGNLKELAHEDTCPE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9053\\_h06.zip](https://cdn.origene.com/chromatograms/mm9053_h06.zip)



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001126321

ORF Size: 513 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\\_001126321.2](#), [NP\\_001119793.1](#)

RefSeq Size: 778 bp

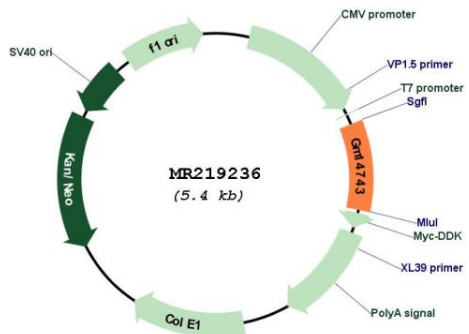
RefSeq ORF: 516 bp

Locus ID: 236874

Cytogenetics: X B

MW: 19.4 kDa

Product images:



Circular map for MR219236