

## Product datasheet for MR219727

### Gm5886 (NM\_001177652) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gm5886 (NM_001177652) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm5886
Synonyms:	EG545886; smarp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219727 representing NM_001177652 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGCATCGCC

ATGCTTGTGGTCTGCTCACAGCCGCTTGTGGCCCTGAGCTCAGCTCAGAGCGCAGATGAAGATGGCC  
AGAGTACATCTGATGTCCAAGAACAAGCTCCTGTGAATCAAACCCAGGTCTCAGGTTAGATCCTTCTTC  
TGCTGAGGTAAATACAGTGAATGTCCAAGAGCCTGAATCAGCATCAGCAGGAAATGAGTCTTCTGCCAAC  
TCTGGGAGTGAACAGGAACAGCAACAGCAAGCTAAGGAATCCCAAGAAGCACAGGGTCAGAGGCCTTCTG  
ACTCTGCTGTGAAAGAACAGGAAAGTCAAAGTGGAGAAGAAAGGAGAAAAGAGGTTCAAGGGCAACATAA  
CTTTCATCCTGAAAAGCCAGGAGTAGTACATATGAAAGTAAACGTAACAATCCTAATTCTCATAAAAGA  
TTTAACCATAATCTACCAATAAAAGAAAATTCGAATCCCTGACAAAGGCAACCAGAGACGAAGAAGTA  
TGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR219727 representing NM_001177652 Red=Cloning site Green=Tags(s)
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MLVVLLTAALLALSSAQSADEGQSTSDVQEAPVNQTQVSGSDPSSAEVNTVNVQEPESASAGNESSAN  
SGSEQEQQQAKESQEAQGQRPSDSAVKEQESQTGEERRKEVQGQHNHFPEKPGVVHMKVKRNNPNSHKR  
FNHNLPNKRKFESPDKGNQRRRSM

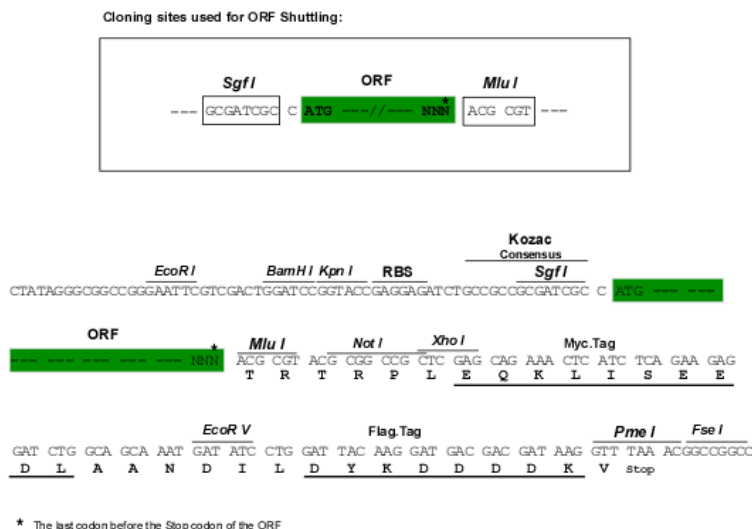
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/mm9055_f09.zip">https://cdn.origene.com/chromatograms/mm9055_f09.zip</a>
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Restriction Sites: Sgfl-MluI

### Cloning Scheme:



ACCN: NM 001177652

ORF Size: 495 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.

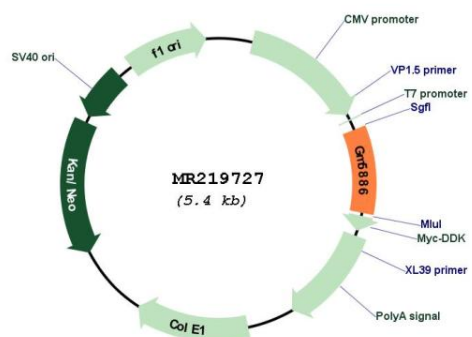
RefSeq: NM 001177652.2, NP 001171123.1

RefSeq Size: 647 bp

RefSeq ORF: 498 bp

Locus ID: 545886  
 Cytogenetics: 6 G1  
 MW: 18 kDa

### Product images:



Circular map for MR219727