

## Product datasheet for MR224318

### Gm3985 (NM\_001177589) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gm3985 (NM\_001177589) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Gm3985  
**Synonyms:** 100042715  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224318 representing NM\_001177589  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGCCCATAGTGAAGTTCATCTTGTGTATGAGCCGACCAGTAGAACCTGGAAGAAAATGCATTCTTCTC  
 TAGAATCCACAAGCAGCCAACAGTTCAGCAGGGATGGGGACACATCCATGAAGACACAGGTCCTCCACAT  
 GACTAACGAGTGCAGTAGAGTCCCAATTGCAGTGCCGTCCTGTCAGAAGCATCTGGAGTGTTCCTTCAA  
 ACCACAACCTGAAAGAAGTCATGCAACACACCAATTTCCACCTTTACCTTAGTTTACAGCAACAATCAT  
 TGTCTGTACATGTATGTTCTCACCATTATTCGCAATGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224318 representing NM\_001177589  
Red=Cloning site Green=Tags(s)  
 MAHSEVHLVYEPTSRWKKMHSSLESTSSQQFSRDGDTSMKTQVLHMTNECSRVPNCSSAVLSEASGVFLQ  
 TTTGKKSCNTPISTFTLVLLQQSLSVHVCSSPLFAMT

TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9056\\_h02.zip](https://cdn.origene.com/chromatograms/mm9056_h02.zip)

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001177589

**ORF Size:** 321 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\\_001177589.1](#), [NP\\_001171060.1](#)

**RefSeq Size:** 2515 bp

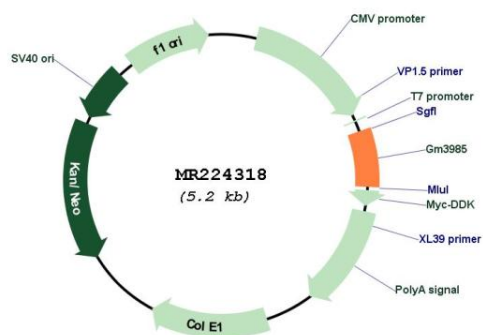
**RefSeq ORF:** 324 bp

Locus ID: 100042715

Cytogenetics: 8 A3

MW: 11.8 kDa

## Product images:



Circular map for MR224318