

## Product datasheet for MR212524

### Tafa3 (NM\_183224) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tafa3 (NM\_183224) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tafa3  
**Synonyms:** 7530404M11Rik; Fam19; Fam19a3; Sa; Sam3; Taf; Tafa; Tafa-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR212524 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGAGAGGCCACCAGCAACTGGAGCGCAGGCAGCTGGGTGCTTGCCTGCTGCCTCGCCTGGCTGTGGA  
 CGTGTCCGGCCTCTGCTTCTTGCAGCCTCCAACATCCGCAGTCTAGTGAAGCAGGGCACCTGCGAGGT  
 GATTGCTGCACATCGCTGCTGCAACCGGAACCGCATTGAGGAGCGCTCCAGACGGTCAAATGCTCCTGC  
 CTGTCCGGCCAGGTGGCTGGCACCAGAGCAAAGCCCTCTGCGTGGACGCCTCCATCGTCTCTGCAGA  
 AGTGGTGGTGTGATGGAGCCCTGCCTGCTGGGAGAGGAGTGTAAAGGTGCTCCCGACCTGTCAGGGTG  
 GAGCTGCAGCAGTGGACACAAGGTCAAACCACCAAGGTACACGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR212524 protein sequence  
 Red=Cloning site Green=Tags(s)

MERPTSNWSAGSWVLALCLAWLWPCASASLQPPTSAVLVKQGTCEVIAAHRCCNRRNRIEERSQTVKCS  
 LSGQVAGTTRAKPSCVDASIVLQKWWCQMEPCLLGECKVLPDLGWSWSSSGHKVKTTKVTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_183224

**ORF Size:** 399 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\\_183224.3](#), [NP\\_899047.1](#)

**RefSeq Size:** 4317 bp

**RefSeq ORF:** 399 bp

**Locus ID:** 329731

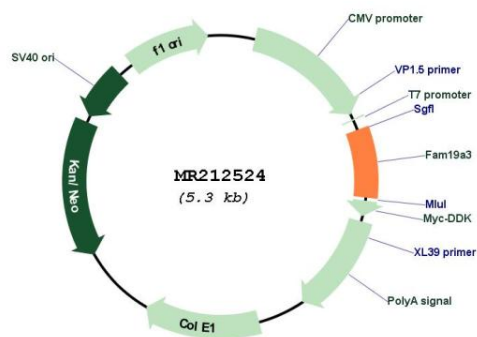
UniProt ID: [Q7TPG6](#)

Cytogenetics: 3 F2.2

MW: 14.4 kDa

**Gene Summary:** This gene is a member of the Tafa family which is composed of five highly homologous genes that encode small secreted proteins. These proteins contain conserved cysteine residues at fixed positions, and are distantly related to MIP-1alpha, a member of the CC-chemokine family. The Tafa proteins are predominantly expressed in specific regions of the brain, and are postulated to function as brain-specific chemokines or neurokines, that act as regulators of immune and nervous cells. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for MR212524