

Product datasheet for **MR228029**

Tafa5 (NM_001252310) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tafa5 (NM_001252310) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tafa5
Synonyms: Fam19; Fam19a5; Tafa-5; Tar; Tara-5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228029 representing NM_001252310
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCCATCGCCAGGACCAGCAGCCGCAAGATGCGACCGCCCTGCCAGCATGTCCTCAACTTTT
GGGCATTCATGATCCTGGCCAGCCTGCTCATCGCCTACTGCAGTCAGCTGGCCGCTGGAACCTGTGAGAT
TGTGACCCTAGACCGGGACAGCAGCCAGCCACGGAGGACGATCGCCCGGACAGCAGCAGCTGTGCATGC
AGAAAGGGGCAGATAGCAGGCACCACTCGAGCCCGGCCTGCTTGTGTGGACGCTCGAATTATCAAGACAA
AGCAGTGGTGTGACATGCTTCCTTGCTGGAGGGGAAGGCTGTGACTTGTTAATCAACCGTCCAGGCTG
GACTTGACACAGCCCGGAGGGCGGATAAAGACCACCACGGTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228029 representing NM_001252310
Red=Cloning site **Green**=Tags(s)

MAPSPRTSSRQDATALPMSSTFWAFMILASLLIAYCSQLAAGTCEIVTLDRDSSQPRRTIARQTARCA
RKGQIAGTTRARPACVDARIKTKQWCDMLPCLEGECDLLINRSGWTCTQPGGRIKTTTTS

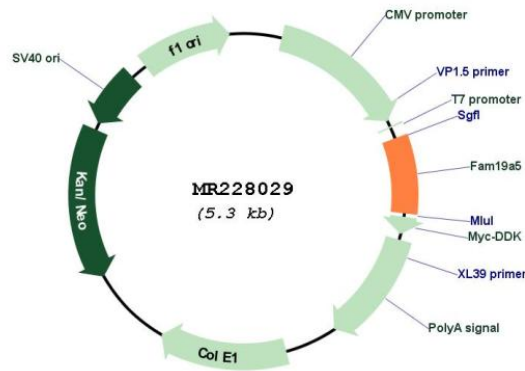
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:

ACCN:

NM_001252310

ORF Size:

396 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: | <ol style="list-style-type: none">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_001252310.1 , NP_001239239.1 |
| RefSeq Size: | 2665 bp |
| RefSeq ORF: | 399 bp |
| Locus ID: | 106014 |
| UniProt ID: | Q91WE9 |
| Cytogenetics: | 15 E3 |
| MW: | 14.8 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011] |