

Product datasheet for **MG200644**

Tafa5 (NM_134096) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tafa5 (NM_134096) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Tafa5
Synonyms: Fam19; Fam19a5; Tafa-5; Tar; Tara-5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200644 representing NM_134096
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCTCCTGAAGGCGCTCTGGGCACTCGCAGGGGCCGCGCTCTGCTGCTTCTCGTCTGGTGATTC
ACGCGCAGTTCTCAAAGAAGGTCAGCTGGCCGCTGGAACCTGTGAGATTGTGACCCTAGACCGGGACAG
CAGCCAGCCACGGAGGACGATCGCCCGCAGACAGCAGCTGTGCATGCAGAAAGGGGCAGATAGCAGGC
ACCACTCGAGCCCGCCTGCTTGTGTGGACGCTGAATTATCAAGACAAAGCAGTGGTGTGACATGCTTC
CTTGCTGGAGGGGAAGGCTGTGACTTGTAAATCAACCGGTGAGCTGGACTTGACACAGCCCGGAGG
GCGGATAAAGACCACCACGGTCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200644 representing NM_134096
Red=Cloning site Green=Tags(s)

MQLLKALWALAGAALCCFLVVIHAQFLKEGQLAAGTCEIVTLDRDSSQPRRTIARQTARCACRKQIAG
TTRARPACVDARIKTKQWCDMLPCLEGECDLLINRSGWTCTQPGRIKTTTVS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

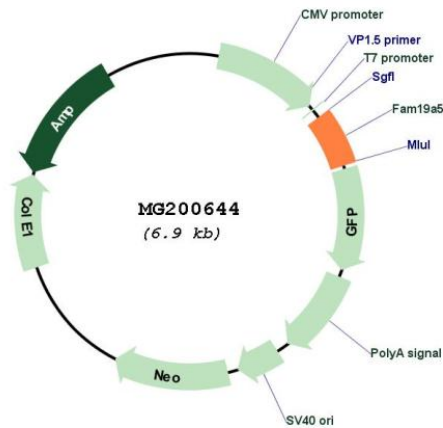


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_134096

ORF Size:

375 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:	<u>NM_134096.2</u> , <u>NP_598857.1</u>
RefSeq Size:	2617 bp
RefSeq ORF:	378 bp
Locus ID:	106014
UniProt ID:	<u>Q91WE9</u>
Cytogenetics:	15 E3
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]