

## **Product datasheet for RC206792**

## TAFA4 (NM 182522) Human Tagged ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: TAFA4 (NM 182522) Human Tagged ORF Clone

Tag: Myc-DDK Symbol: TAFA4

Synonyms: FAM19A4; TAFA-4

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC206792 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGAGGTCCCCAAGGATGAGAGTCTGTGCTAAGTCAGTGTTGCTGTCGCACTGGCTCTTTCTAGCCTACG
TGTTAATGGTGTGCTGTAAGCTGATGTCCGCCTCAAGCCAGCACCTCCGGGGACATGCAGGTCACCACCA
AATCAAGCAAGGGACCTGTGAGGTGGTCGCCGTGCACAGGTGCTGCAATAAGAACCGCATAGAAGAGCGG
TCACAAACGGTCAAGTGCTCTTGCTTCCCGGGACAGGTGGCGGGCACAACTCGGGCTCAACCTTCTTGTG
TTGAAGCTTCCATTGTGATTCAGAAATGGTGGTGTCACATGAATCCGTGTTTGGAAGGAGGAGGATTGTAA
AGTGCTGCCAGATTACTCAGGTTGGTCCTGTAGCAGTGGCAATAAAGTCAAAACTACGAAGGTAACGCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAG**GTTTAA** 

**Protein Sequence:** >RC206792 protein sequence

Red=Cloning site Green=Tags(s)

MRSPRMRVCAKSVLLSHWLFLAYVLMVCCKLMSASSQHLRGHAGHHQIKQGTCEVVAVHRCCNKNRIEER SQTVKCSCFPGQVAGTTRAQPSCVEASIVIQKWWCHMNPCLEGEDCKVLPDYSGWSCSSGNKVKTTKVTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: <a href="https://cdn.origene.com/chromatograms/mk6135">https://cdn.origene.com/chromatograms/mk6135</a> e08.zip

**Restriction Sites:** Sgfl-Mlul



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

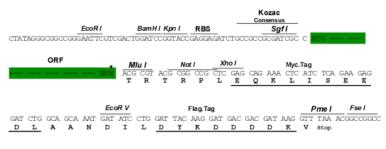
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



## **Cloning Scheme:**





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_182522

ORF Size: 420 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 182522.5

RefSeq Size: 2294 bp
RefSeq ORF: 423 bp
Locus ID: 151647
UniProt ID: Q96LR4



Cytogenetics: 3p14.1

**Protein Families:** Secreted Protein, Transmembrane

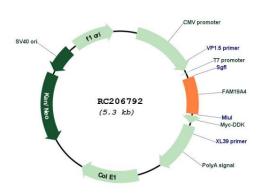
MW: 15.7 kDa

**Gene Summary:** This gene is a member of the TAFA family which is composed of five highly homologous

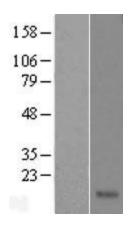
genes that encode small secreted proteins. These proteins contain conserved cysteine residues at fixed positions, and are distantly related to MIP-1alpha, a member of the CC-chemokine family. The TAFA proteins are predominantly expressed in specific regions of the brain, and are postulated to function as brain-specific chemokines or neurokines, that act as regulators of immune and nervous cells. Alternatively spliced transcript variants have been

observed for this gene. [provided by RefSeq, Nov 2011]

## **Product images:**

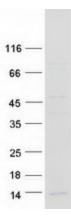


Circular map for RC206792



Western blot validation of overexpression lysate (Cat# [LY403635]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206792 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified TAFA4 protein (Cat# [TP306792]). The protein was produced from HEK293T cells transfected with TAFA4 cDNA clone (Cat# RC206792) using MegaTran 2.0 (Cat# [TT210002]).