OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC206799

TAFA1 (NM_213609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAFA1 (NM_213609) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAFA1
Synonyms:	FAM19A1; TAFA-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC206799 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAATGGTCTCTGCGATGTCCTGGGTCCTGTATTTGTGGATAAGTGCTTGTGCAATGCTACTCTGCC
ATGGATCCCTTCAGCACACTTTCCAGCAGCATCACCTGCACAGACCAGAAGGAGGGACGTGTGAAGTGAT
AGCAGCACACCGATGTTGTAACAAGAATCGCATTGAGGAGCGGTCACAAACAGTAAAGTGTTCCTGTCTA
CCTGGAAAAGTGGCTGGAACAACAAGAAACCGGCCTTCTTGCGTCGATGCCTCCATAGTGATTGGGAAAT
GGTGGTGTGAGATGGAGCCTTGCCTAGAAGGAGAAGAATGTAAGACACTCCCTGACAATTCTGGATGGAT
GTGCGCAACAGGCAACAAAATTAAGACCACGAGAATTCACCCAAGAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC206799 protein sequence
Red=Cloning site Green=Tags(s)

MAMVSAMSWVLYLWISACAMLLCHGSLQHTFQQHHLHRPEGGTCEVIAAHRCCNKNRIEERSQTVKCSCL
PGKVAGTTRNRPSCVDASIVIGKWWCEMEPCLEGEECKTLPDNSGWMCATGNKIKTTRIHPRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms:	https://cdn.origene.com/chromatograms/mk6360_h01.zip
Restriction Sites:	SgfI-MluI

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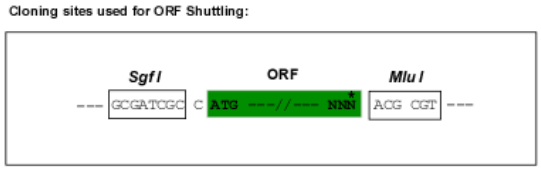
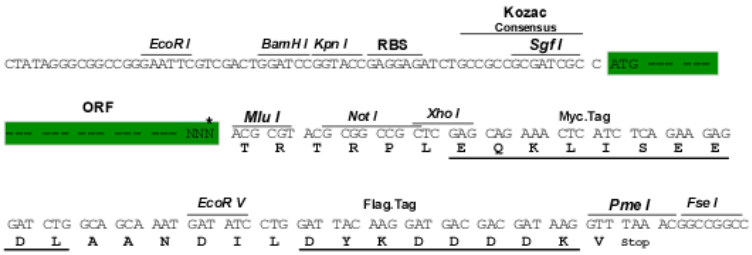
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN:	NM_213609
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_213609.4
RefSeq Size:	2032 bp
RefSeq ORF:	402 bp

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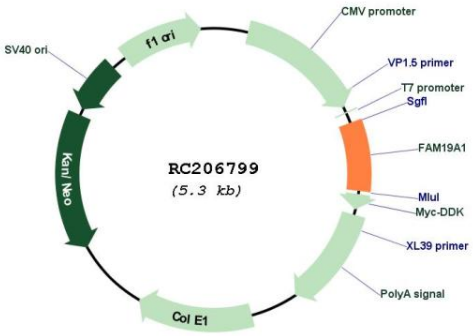
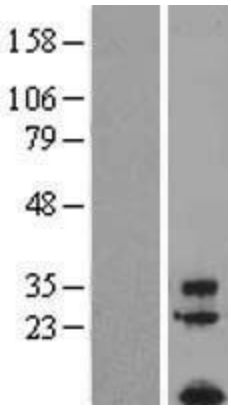
Locus ID:	407738
UniProt ID:	Q7Z5A9
Cytogenetics:	3p14.1
Protein Families:	Secreted Protein, Transmembrane
MW:	14.9 kDa
Gene Summary:	This gene is a member of the TAFA family which is composed of five highly homologous genes that encode small secreted proteins. These proteins contain conserved cysteine 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 RC206799



Western blot validation of overexpression lysate (Cat# [LY403887]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206799 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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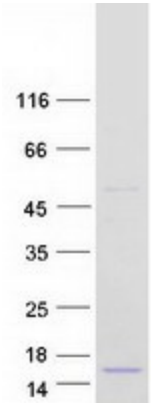

Coomassie blue staining of purified TAFA1 protein (Cat# [TP306799]). The protein was produced from HEK293T cells transfected with TAFA1 cDNA clone (Cat# RC206799) using MegaTran 2.0 (Cat# [TT210002]).

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