

Product datasheet for RC231768

TAF1 (NM_001252216) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TAF1
Synonyms:	FAM19A1; TAF1-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231768 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAATGGTCTCTGCGATGTCCTGGGTCTGTATTTGTGGATAAGTGCTTGTGCAATGCTACTCTGCC
ATGGATCCCTTCAGCACACTTTCCAGCAGCATCACCTGCACAGACCAGAAGGAGGGACGTGTGAAGTGAT
AGCAGCACACCGATGTTGTAAACAAGATCGATTGAGGAGCGGTCACAAACAGTAAAGTGTTCTGTCTA
CCTGGAAGTGGCTGGAACAACAAGAACCGGCCTTCTTGCCTCGATGCCTCCATAGTGATTGGGAAAT
GGTGGTGTGAGATGGAGCCTTGCCTAGAAGGAGAAGAATGTAAGACACTCCCTGACAATTCTGGATGGAT
GTGCGCAACAGGCAACAAAATTAAGACCACGAGAATTCACCCAAGAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231768 protein sequence
Red=Cloning site Green=Tags(s)

MAMVSAMSWVLWLWISACAMLLCHGSLQHTFQQHHLHRPEGGTCEVIAAHRCCNKNRIEERSQTVKCSCL
PGKVAGTTRNRPSCVDASIVIGKWWCEMEPCLEGECKTLPDNSGWMCATGNKIKTTTRHPRT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6360_h01.zip

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001252216

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.

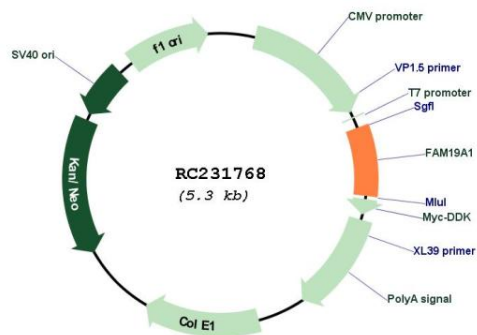
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001252216.1](#), [NP_001239145.1](#)

RefSeq Size:	1758 bp
RefSeq ORF:	402 bp
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 TAF1 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 TAF1 proteins are predominantly expressed in specific regions of the brain, and are postulated to function as brain-specific chemokines or neurokinins that act as regulators of immune and nervous cells. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC231768