

Product datasheet for **RC213076**

TAF A3 (NM_182759) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TAF A3 (NM_182759) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TAF A3
Synonyms: FAM19A3; TAF A-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC213076 representing NM_182759
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGAGAGGGTCGAGCGGAAGTGGAGCACGGGCGGCTGGCTGCTGGCACTGTGCCTGGCCTGGCTGT
GGACCCACCTGACCTTGGCTGCCTTGCAGCCTCCCACTGCCACAGTGCTTGTGCAGCAGGGCACCTGCGA
GGTGATTGCGGCTCACCCTGCTGCAACCGGAACCGCATCGAGGAGCGCTCCAGACGGTAAATGCTCC
TGTTTTCTGCCAGGTGGCCGGCACACGCGGGCAAAGCCCTCCTGCGTGGACGCCTCCATCGTCTGC
AGAGATGGTGGTGTGAGATGGAGCCCTGCCTGCCGGGGAGGAGTGAAGGTGCTCCCGACCTGTCGGG
ATGGAGCTGCAGCAGTGGACACAAAGTCAAACCACCAAGGTACACGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC213076 representing NM_182759
Red=Cloning site Green=Tags(s)

MSERVERNWTGGWLLALCLAWLWTHLTLAALQPPTATVLVQQTCEVIAAHRCCNRNRRIEERSQTVKCS
CFSGQVAGTTRAKPSCVDASIVLQRWWQMEPCLPGEECKVLPDLSGWSCSSGHKVKTKTKVTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6115_f06.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_182759

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.

RefSeq: [NM_182759.2](#), [NP_877436.1](#)

RefSeq Size: 1077 bp

RefSeq ORF: 402 bp

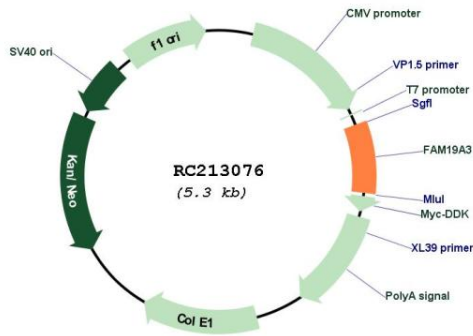
Locus ID: 284467

UniProt ID: [Q7Z5A8](#)

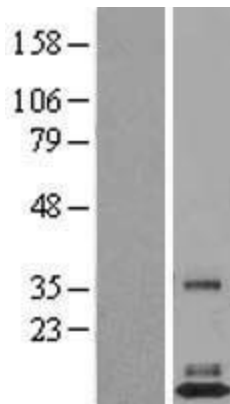
Cytogenetics: 1p13.2
Protein Families: Secreted Protein, Transmembrane
MW: 14.6 kDa

Gene Summary: This gene is a member of the TAF3 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 TAF3 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. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

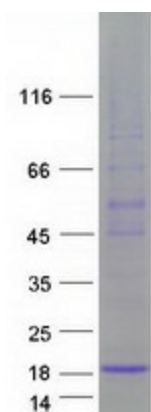
Product images:



Circular map for RC213076



Western blot validation of overexpression lysate (Cat# [LY403648]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213076 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TAF3 protein (Cat# [TP313076]). The protein was produced from HEK293T cells transfected with TAF3 cDNA clone (Cat# RC213076) using MegaTran 2.0 (Cat# [TT210002]).