

Product datasheet for **SC300684**

TAF A3 (NM_001004440) Human Untagged Clone

Product data:

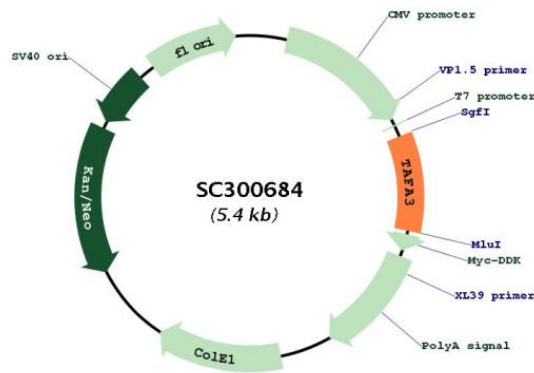
Product Type:	Expression Plasmids
Product Name:	TAF A3 (NM_001004440) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF A3
Synonyms:	FAM19A3; TAF A-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300684 representing NM_001004440. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTGAGAGGGTCGAGCGAACTGGAGCACGGGCGGCTGGCTGCTGGCACTGTGCCTGGCCTGGCTG
TGGACCCACCTGACCTTGGCTGCCTTGCAGCCTCCCACTGCCACAGTGCTTGTGCAGCAGGGCACCTGC
GAGGTGATTGCGGCTCACCGCTGCTGCAACCGGAACCGCATCGAGGAGCGCTCCAGACGGTGAAATGC
TCCTGTTTTCTGGCCAGGTGGCCGGCACCACGGGGCAAAGCCCTCCTGCGTGGACGACCTGCTCTTG
GCTGCCACTGTGCTCGTAGAGACCCTAGAGCTGCACTCCGCCTCCTGCTCCACAGCCTCCATCGTCC
TGCAGAGATGGTGGTGTGATGAGCCCTGCCTGCCGGGGAGGAGTGTAAAGTGTCCCGGACCTGT
CGGGATGGAGCTGCAGCAGTGGACACAAAGTCAAACCACCAAGGTCACACGATAGCTCTTGGGGGTCA
CGGCCTGGACAAGAAAGGCTTGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001004440

Insert Size: 510 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001004440.1](#)

RefSeq Size: 1144 bp

RefSeq ORF: 510 bp

Locus ID: 284467

UniProt ID: [Q7Z5A8](#)

Cytogenetics: 1p13.2

Protein Families: Secreted Protein, Transmembrane

MW: 18.5 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]
Transcript Variant: This variant (2) uses an alternate splice site in the coding region, which results in a frameshift compared to variant 1. The encoded isoform (2) is longer and has a distinct C-terminus, compared to isoform 1.