

Product datasheet for SC301000

TAF4 (NM_001005527) Human Untagged Clone

Product data:

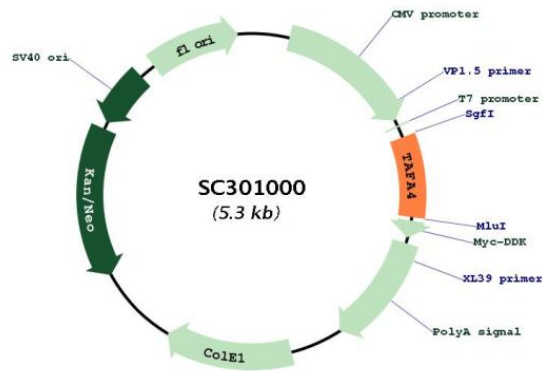
Product Type:	Expression Plasmids
Product Name:	TAF4 (NM_001005527) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF4
Synonyms:	FAM19A4; TAF4-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301000 representing NM_001005527. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGTCCCAAGGATGAGAGTCTGTGCTAAGTCAGTGTGCTGTCGCACTGGCTCTTTCTAGCCTAC
GTGTTAATGGTGTGCTGTAAGCTGATGTCCGCCTCAAGCCAGCACCTCCGGGGACATGCAGGTACCAC
CAAATCAAGCAAGGGACCTGTGAGGTGGTCCCGTGCACAGGTGCTGCAATAAGAACCGCATAGAAGAG
CGGTACAAACGGTCAAGTGCTTGTCTCCCGGGACAGGTGGCGGGCACAACCTCGGGCTCAACCTTCT
TGTGTTGAAGCTTCCATTGTGATTAGAAATGGTGGTGCACATGAATCCGTGTTTGAAGGAGAGGAT
TGTAAGTGCTGCCAGATTACTCAGTTGGTCTGTAGCAGTGGCAATAAAGTCAAACCTACGAAGGTA
ACGCGGTAG
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN:	NM_001005527
Insert Size:	423 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_001005527.2](#)

RefSeq Size: 2212 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 TAF4 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 TAF4 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 have been observed for this gene. [provided by RefSeq, Nov 2011]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.