

Product datasheet for **SC302381**

TAF5L (NM_001025247) Human Untagged Clone

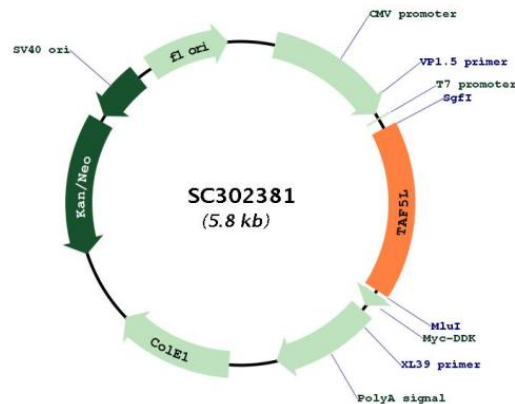
Product data:

Product Type:	Expression Plasmids
Product Name:	TAF5L (NM_001025247) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAF5L
Synonyms:	PAF65B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302381 representing NM_001025247. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAAACGAGTGCCTACCGAGCAGATTCAGATGGCAGTGTCTGCTACCTCAAACGCCGGCAGTACGTG
 GACTCAGATGGTCCCCTGAAGCAAGGACTGCGGCTGTCACAGACTGCTGAAGAGATGGCGGCAATCTA
 ACAGTGAATCAGAATCTGGTTGTGCCAACAATAGTGTCTGCAGCCCTTGCCAGGCAGAACCCAGCAA
 TATGAAGTACAGTTTGGACGACTGCGGAATTTTCTCACTGATTCTGATTCCAGCATAGCCACGAAGTG
 ATGCCTCTCCTCTATCCTCTCTTTGTCTACCTCCATCTCAACCTGGTCCAAAACAGTCCGAAGAGCACA
 GTGAAAGTTTTTACAGCCGCTTCCATGGAATGTTTCTGCAGAATGCTAGCCAGAAGGATGTCATTGAG
 CAGCTACAGACCACTCAAACCATCCAGGACATCCTATCTAACTTCAAGCTTCGAGCATTCTAGATAAC
 AAGTACGTGGTCCGTCTCCAAGAAGACAGCTACAACTACCTTATCCGCTACCTCCAAAGTGACAACAAT
 ACTGCCCTGTGCAAAGTCTCACCTTACATATTCTTACGCTGCAGCCTGCCAAGAGAACAGACTAT
 CAGCTGTATGCCAGTGGCAGCTCCTCCCGAGTGAGAACACGGTTTGGAGCCCCCGACATGCCAGC
 CCTATTCTGCAGAACGAGGCTGCCCTAGAGGTCTTACAGGAGAGCATTAAAGCGAGTCAAGGATGGGCT
 CCCTCCCTCACTACCATCTGCTTCTATGCCTTCTATAACACAGAGCAGCTGTTGAACACTGCAGAAATC
 TCCCCGATAGCAAGCTGCTTGTGCTGGGTTTGACAACTCCTGTATAAACTTTGGAGTTTACGATCC
 AAGAAGTTAAATCAGAGCCCCACCAAGTAGACGTGTCCCGCATCCATTTGGCTTGATATTCTGGAG
 GAGGAGGT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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Plasmid Map:


ACCN: NM_001025247

Insert Size: 978 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_001025247.1](#)

RefSeq Size: 4139 bp

RefSeq ORF: 978 bp

Locus ID: 27097

UniProt ID: O75529
Cytogenetics: 1q42.13
Protein Families: Transcription Factors
Protein Pathways: Basal transcription factors
MW: 37 kDa

Gene Summary: The product of this gene belongs to the WD-repeat TAF5 family of proteins. This gene encodes a protein that is a component of the PCAF histone acetylase complex. The PCAF histone acetylase complex, which is composed of more than 20 polypeptides some of which are TAFs, is required for myogenic transcription and differentiation. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors to facilitate complex assembly and transcription initiation. The encoded protein is structurally similar to one of the histone-like TAFs, TAF5. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]
 Transcript Variant: This variant (2) differs in the 5' UTR and the 5' coding region, compared to variant 1. The resulting isoform (b) contains a distinct N-terminus, compared to isoform a.