

Product datasheet for **RC207751**

TAF5L (NM_001025247) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TAF5L (NM_001025247) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TAF5L
Synonyms:	PAF65B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207751 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACGAGTGCGTACCGAGCAGATTCAGATGGCAGTGTCTGCTACCTCAAACGCCGGCAGTACGTGG
ACTCAGATGGTCCCCTGAAGCAAGGACTGCGGCTGTCACAGACTGCTGAAGAGATGGCGGCAATCTAAC
AGTGCAATCAGAATCTGGTTGTGCCAACATAGTGTCTGCAGCCCCTTGCCAGGCAGAACCCAGCAATAT
GAAGTACAGTTTGGACGACTGCGGAATTTCTCACTGATTCTGATTCCCAGCATAGCCACGAAGTGATGC
CTCTCCTCTATCCTCTCTTTGTCTACCTCCATCTCAACCTGGTCCAAAACAGTCCGAAGAGCACAGTGGA
AAGTTTTTACAGCCGCTCCATGGAATGTTTCTGCAGAATGCTAGCCAGAAGGATGTCATTGAGCAGCTA
CAGACCACTCAAACCATCCAGGACATCCTATCTAACTTCAAGCTTCGAGCATTCTAGATAACAAGTACG
TGGTCCGTCTCCAAGAAGACAGCTACAACCTATCCGCTACCTCAAAGTGACAACAATACTGCCCT
GTGCAAAGTCTCACCTTACATATTCACTTGACGTGCAGCCTGCCAAGAGAACAGACTATCAGCTGTAT
GCCAGTGGCAGCTCCTCCCGCAGTGAGAACAACGGTTTGGAGCCCCCTGACATGCCAGCCCTATTCTGC
AGAACGAGGCTGCCCTAGAGGTCTTACAGGAGAGCATTAAAGCGCGTCAAGGATGGGCCTCCCTCCCTCAC
TACCATCTGCTTCTATGCCTTCTATAACACAGAGCAGCTGTTGAACACTGCAGAAATCTCCCCGATAGC
AAGCTGCTTGCTGCTGGGTTTGACAACCTCTGTATAAACTTTGGAGTTTACGATCCAAGAAGTTAAAAT
CAGAGCCCCACCAAGTAGACGTGCCCGCATCCATTTGGCTTGTGATATTCTGGAGGAGGAGGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207751 protein sequence
Red=Cloning site Green=Tags(s)

MKRVRTEQIQMAVSCYLKRRQYVDSGPLKQGLRLSQTAEEMAANLTVQSESGCANIVSAAPCQAEPQQY
 EVQFGRLRNFLTDSDSQHSHEVMPLLYPLFVYLHLNLVQNSPKSTVESFYSRFHGMFLQNASQKDVIEQL
 QTTQTIQDILSNFKLRAFLDNKYVVRLQEDSYNYLIRYLQSDNNTALCKVLTLHIHLDVQPAKRTDYQLY
 ASGSSSRSENNGLEPPDMPSPILQNEAALEVLQESIKRVKDGPPSLTTICFYAFYNTEQLLNTAEISPDS
 KLLAAGFDNSCIKLWSLRSKKLKSEPHQVDVSRIHACDILEEEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6343_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001025247

ORF Size: 975 bp

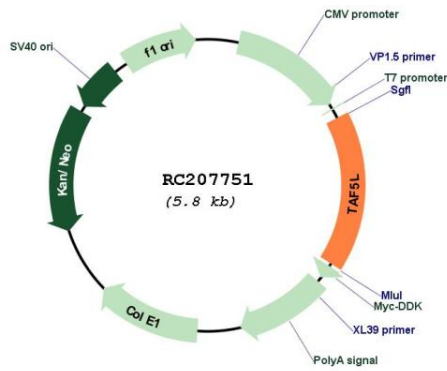
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

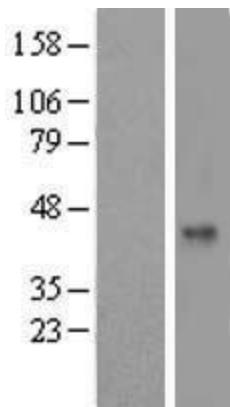
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">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 , NP_001020418.1
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:	<p>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]</p>

Product images:



Circular map for RC207751



Western blot validation of overexpression lysate (Cat# [LY422496]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207751 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).