

## Product datasheet for **RG207751**

### TAF5L (NM\_001025247) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAF5L (NM_001025247) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TAF5L
Synonyms:	PAF65B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207751 representing NM_001025247 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

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

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG207751 representing NM\_001025247  
 Red=Cloning site Green=Tags(s)

MKRVRTEQIQMAVSCYLKRRQYVDSGPLKQGLRLSQTAEEMAANLTVQSESGCANIVSAAPCQAEPPQY  
 EVQFGRLRNFLTDSDSQHSHEVMPLLYPLFVYLHLNLVQNSPKSTVESFYSRFHGMFLQNASQKDVIEQL  
 QTTQTIQDILSNFKLRAFLDNKYVVRLQEDSYNYLIRYLQSDNNTALCKVLTLHIHLDVQPAKRTDYQLY  
 ASGSSSRSENGLEPPDMPSPILQNEAALEVLQESIKRVKDGPPSLTTICFYAFYNTEQLLNTAEISPDS  
 KLLAAGFDNSCIKLWSLRSKKLKSEPHQVDVSRIHACDILEEEV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001025247.1</a> , <a href="#">NP_001020418.1</a>
<b>RefSeq Size:</b>	4139 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	27097
<b>UniProt ID:</b>	<a href="#">O75529</a>
<b>Cytogenetics:</b>	1q42.13
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	Basal transcription factors
<b>Gene Summary:</b>	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]

## Product images:



Circular map for RG207751