

## Product datasheet for **RG224879**

### TAF8 (NM\_138572) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TAF8 (NM\_138572) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TAF8  
**Synonyms:** II; TAF; TAF(II)43; TAFII-43; TAFII43; TBN  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG224879 representing NM\_138572  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGACGCGGCCACAGCTGGGGCCGGTGGCTCCGGAACGAGATCGGGAAGTAAACAGTCCACTA  
 ACCCTGCCGATAACTATCATCTGGCCCGGAGGAGAACCCTGCAGGTGGTTGTGAGCTCCTTGCTGACAGA  
 GGCAGGGTTTGAGAGTGCCGAGAAAGCATCCGTGGAAACGCTGACAGAGATGCTGCAGAGCTACATTTCA  
 GAAATTGGGAGAAGTGCCAAGTCTTACTGTGAGCACACAGCCAGGACCCAGCCACACTGTCCGATATCG  
 TGGTCACACTTGTGAGATGGGTTTCAATGTGGACTCTCCCTGCTTATGCAAAACGGTCTCAGAGGAT  
 GGTCACTACTGCTCCTCCGGTGACCAATCAGCCAGTGACCCCAAGGCCCTCACTGCAGGGCAGAACCGA  
 CCCCACCCGCGCACATCCCAGCCATTTTCTGAGTTCCCTGATCCCCACACCTACATCAAAACTCCGA  
 CGTACCGTGAGCCCGTGTGAGTACCAGGTCCTGCGGGAGAAGGCTGCATCCCAGAGGCGCGATGTGGA  
 GCGGGCACTTACCCGTTTCATGGCCAAGACAGGCGGAGACTCAGAGTCTTTTCAAAGATGACGTCAGCACA  
 TTTCCATTGATTGCTGCCAGACCTTTACCATCCCCTACCTGACAGCTCTTCTCCGTCTGAACTGGAGA  
 TGCAACAAATGGAAGAGACAGATTCTCGGAGCAGGATGAACAGACAGACACAGAGAACCCTTGCTCTTCA  
 TATCAGCATGGAGATTCTGGAGCCGAGAAGGAGAACCCTCTGTCTGCAGCAGAACCCCTCCTGTGCG  
 GGTAGCCGGAATGGGAGGAGAACATCATCGATAACCCTTATCTGCGGCCGGTGAAGAAGCCCAAGATCC  
 GCAGGAAGAAGTCCCTCTCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG224879 representing NM\_138572  
Red=Cloning site Green=Tags(s)

MADAAATAGAGGSGTRSGSKQSTNPADNYHLARRRTLQVVVSSLLTEAGFESA EKASVETLTEMLQSYIS  
 EIGRS AKSYCEHTARTQPTLSDIVVTLVEMGFNVDLTPAYAKRSQRMVITAPPVTNQPVTPKALTAGQNR  
 PHPPHIPSHFPEFPDPHTYIKTPTYREPVS DYQVLRKAASQRRDVERALTRFMAKTGETQSLFKDDVST  
 FPLIAARPFTIPYLTALLPSELEMQQMEETDSSEQDEQTDENLALHISMEDSGAEKENTSVLQQNP SLS  
 GSRNGEENIIDNPYLRPVKKPKIRRKSL S

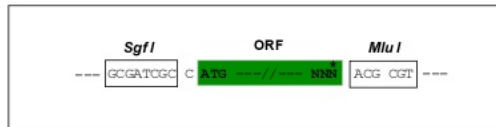
TRTRPLE - GFP Tag - V

**Restriction Sites:**

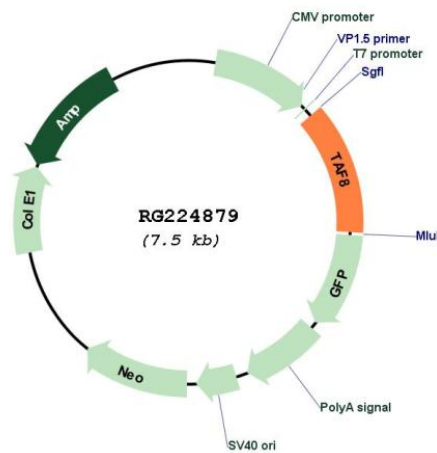
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_138572

**ORF Size:** 930 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_138572.3</a>
<b>RefSeq Size:</b>	4323 bp
<b>RefSeq ORF:</b>	933 bp
<b>Locus ID:</b>	129685
<b>UniProt ID:</b>	<a href="#">Q7Z7C8</a>
<b>Cytogenetics:</b>	6p21.1
<b>Gene Summary:</b>	This gene encodes one of several TATA-binding protein (TBP)-associated factors (TAFs), which are integral subunits of the general transcription factor complex TFIID. TFIID recognizes the core promoter of many genes and nucleates the assembly of a transcription preinitiation complex containing RNA polymerase II and other initiation factors. The protein encoded by this gene contains an H4-like histone fold domain, and interacts with several subunits of TFIID including TBP and the histone-fold protein TAF10. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]