

Product datasheet for **RG204585**

TADAIL (TADA1) (NM_053053) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TADAIL
Synonyms:	ADA1; hADA1; HFIL; STAF42; TADA1L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204585 representing NM_053053
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGACCTTTGTGAGCGAGCTGGAGGCGGCCAAGAAGAACTTAAGCGAGGCCCTGGGGGACAACGTGA
AACAATACTGGGCTAACCTAAAGCTGTGGTTCAAGCAGAAGATCAGCAAAGAGGAGTTTGACCTTGAAGC
TCATAGACTTCTCACACAGGATAATGTCCATTCTCACAATGATTTCTCTGGCCATTCTCACGCGTTGT
CAGATTTTGGTTTCTACACCAGATGGTGCTGGATCTTTCCTTGGCCAGGGGTTCCGCAGCAAAACCTG
GAAAACCCAAGGAAAGAAAAAGCTTTCTTCTGTTTCGTCAGAAATTTGATCATAGATTCCAGCCTCAAAA
TCCTCTCTCAGGAGCCAGCAATTTGTGGCAAAGGATCCCCAAGATGATGACGACTTGAAACTTTGTTCC
CACACAATGATGCTTCCCACTCGAGGCCAGCTTGAAGGAGAATGATAGTGACTGCTTATGAGCATGGGC
TGGACAATGTCACCGAGGAGGCTGTTTCAGCTGTTGTCTATGCTGTGAGAATCACCTTAAAGATATACT
GACGTCAGTTGTGTCAAGAAGGAAAGCTTATCGGTTACGAGATGGTCATTTTAAATATGCCTTTGGCAGT
AACGTGACCCCGCAGCCATACCTGAAGAATAGTGTAGTGTAGCTTACAACAACCTTAATAGAAAGCCCTCCAG
CTTTTACTGCTCCCTGTGCTGGTCAGAATCCAGCTTCTACCCACCCCTGATGATGCTGAGCAGCAGGC
TGCACTCCTGCTGGCATGCTCCGGAGACACTTACCTGCATCTTTCCTCCGGTGAACATGTACGATCTT
TTTGAAGCTTTGCAGGTGCACAGGGAAGTCATCCCTACACATACTGTCTATGCTCTTAACATTGAAAGGA
TCATACGAAACTCTGGCATCAAATCATGAAGAGCTGCAGCAAGACAAAGTTACCGCCAGCGCTTGGC
AGCCAAGGAGGGCTTTTGCTGTGC

AG**CGGACCG**ACGCGTACGCGCGCGCTCGAG - GFP Tag - GTTTAA



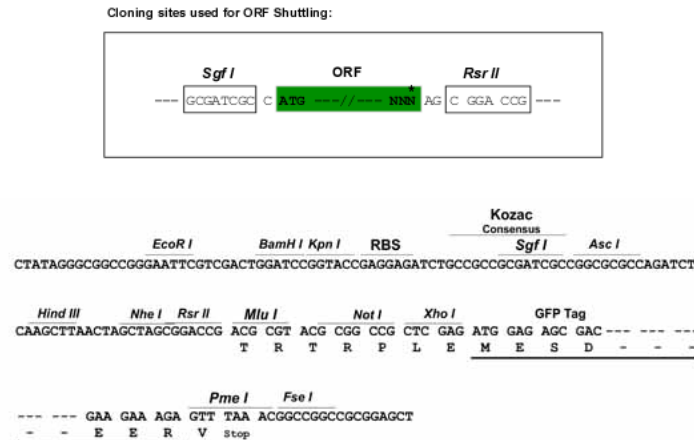
Protein Sequence: >RG204585 representing NM_053053
Red=Cloning site Green=Tags(s)

MATFVSELEAAKKNLSEALGDNVKQYWANKLWFKQKISKEEFDLEAHRLLTQDNVHSHNDFLLAILTRC
QILVSTPDGAGSLPWPGGSAKPGKPKGKKLSSVRQKFDHRFQPQNPLSGAQQFVAKDPQDDDLKLC
HTMMLPTRGQLEGRMIVTAYEHGLDNVTEEAHSVAVVAVENHLKDILTSVVSRRKAYRLRDGHFKYAFGS
NVTPQPYLKNSVVAYNNLIESPPAFTAPCAGQNPASHPPDDAEQQAALLLACSGDTLPASLPPVNMIDL
FEALQVHREVIPHTVYALNIERIITKLWHPNHEELQQDKVHRQLAAKEGLLLC

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_053053

ORF Size: 1005 bp

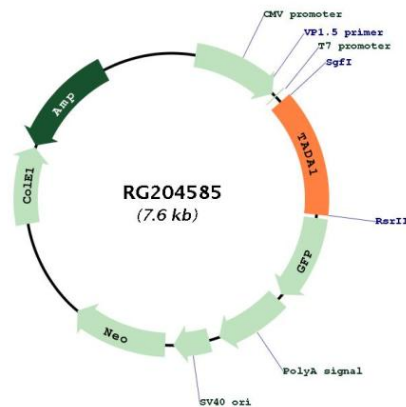
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_053053.4
RefSeq Size:	2110 bp
RefSeq ORF:	1008 bp
Locus ID:	117143
UniProt ID:	Q96BN2
Cytogenetics:	1q24.1
Gene Summary:	TADAIL is a protein subunit of the human STAGA complex (SPT3; (MIM 602947)/TAF9 (MIM 600822)/GCN5 (MIM 602301) acetyltransferase complex), which is a chromatin-modifying multiprotein complex (Martinez et al., 2001 [PubMed 11564863]).[supplied by OMIM, Apr 2009]

Product images:



Circular map for RG204585