

## Product datasheet for **RG240211**

### TET3 (NM\_001287491) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TET3 (NM_001287491) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TET3
Synonyms:	BEFAHRS; hCG_40738
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240211 representing NM_001287491. Blue=ORF Red=Cloning site Green=Tag(s)

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CTTCAGAGGGAGGCTCCCACGCCATCCTCGGAGCCCGACACCCACCAGAAGGCCAGACCGCCCTGCAG  
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 CCCACAGACTCGGCGGTACCCGTGTCTCTATGCCTACACGAAGGCTACTGGCCCTACAGCCGCTGG  
 ATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC

**Protein Sequence:**

>Peptide sequence encoded by RG240211  
 Blue=ORF Red=Cloning site Green=Tag(s)

MSQFQVPLAVQPDLPGLYDFPQRQVMVGSFPGSGLSMAGSESQLRGGGDGRKKRRCGTCEPCRRLENC  
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 APAHGSILIECARRELHATTPLKPNRCHPTRISLVFYQHKNLNQPNHGLALWEAKMKQLAERARARQE  
 EAARLGLGQEQEAKLYGKKRWGGTVVAEPQKEKKGVVPTRQALAVPTDSAVTVSSYAYTKVTGPYSRW  
 I

TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001287491

**ORF Size:** 5385 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).

**RefSeq:** [NM\\_001287491.2](#)

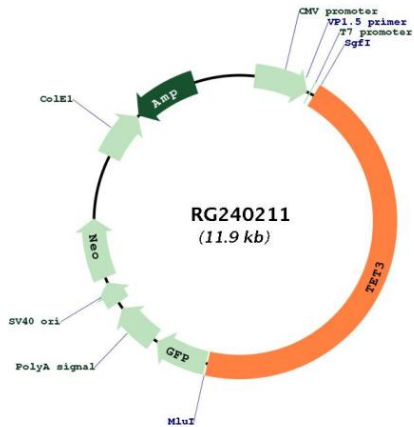
**RefSeq Size:** 11405 bp

**RefSeq ORF:** 5388 bp

**Locus ID:** 200424

**UniProt ID:** [O43151](#)  
**Cytogenetics:** 2p13.1  
**Protein Families:** Transcription Factors  
**MW:** 194.2 kDa  
**Gene Summary:** Members of the ten-eleven translocation (TET) gene family, including TET3, play a role in the DNA methylation process (Langemeijer et al., 2009 [PubMed 19923888]).[supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RG240211