

Product datasheet for **RC218608**

TET1 (NM_030625) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TET1
Synonyms:	bA119F7.1; CXXC6; LCX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC218608 representing NM_030625. Blue=ORF Red=Cloning site Green=Tag(s)

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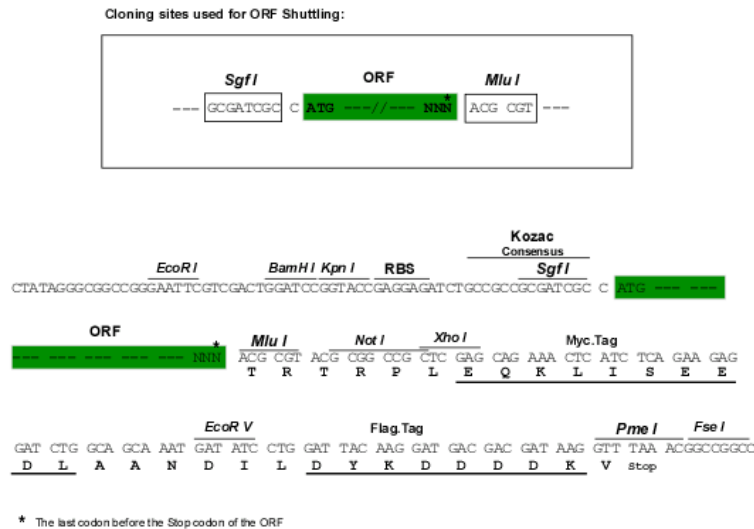
Protein Sequence: >Peptide sequence encoded by RC218608
 Blue=ORF Red=Cloning site Green=Tag(s)

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Chromatograms: https://cdn.origene.com/chromatograms/mg4220_e11.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_030625

ORF Size: 6408 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_030625.1](#), [NP_085128.1](#)

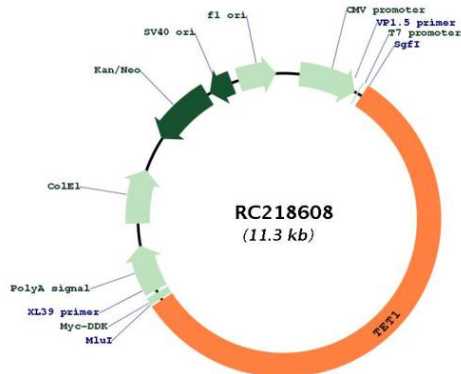
RefSeq Size: 8497 bp

RefSeq ORF: 6411 bp

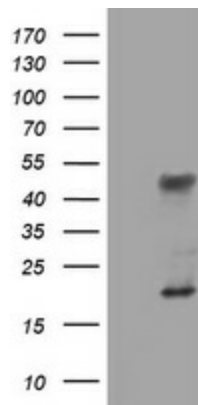
Locus ID: 80312

UniProt ID:	<u>Q8NFU7</u>
Cytogenetics:	10q21.3
MW:	235.3 kDa
Gene Summary:	DNA methylation is an epigenetic mechanism that is important for controlling gene expression. The protein encoded by this gene is a demethylase that belongs to the TET (ten-eleven translocation) family. Members of the TET protein family play a role in the DNA methylation process and gene activation. [provided by RefSeq, Sep 2015]

Product images:



Circular map for RC218608



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TET1 (Cat# RC218608, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TET1 (Cat# [TA802234]).