

Product datasheet for RC219946

TEX15 (NM_031271) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEX15 (NM_031271) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TEX15
Synonyms:	CT42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219946 representing NM_031271 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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Protein Sequence: >RC219946 representing NM_031271
 Red=Cloning site Green=Tags(s)

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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8020_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_031271

ORF Size: 8367 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).

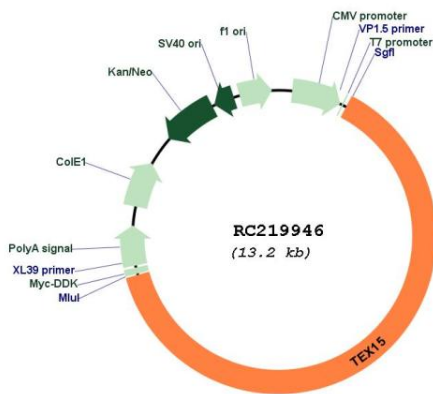
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

RefSeq: [NM_031271.2](#), [NP_112561.1](#)

RefSeq Size: 10155 bp
RefSeq ORF: 8370 bp
Locus ID: 56154
Cytogenetics: 8p12
MW: 315.2 kDa

Gene Summary: This gene encodes a protein that is required for DNA double-strand break repair, chromosome synapsis, and meiotic recombination in spermatocytes. Male mice with a knockout of the orthologous gene are viable but sterile. Loss-of-function mutations in the orthologous mouse gene cause early meiotic arrest in spermatocytes, before the mid-pachytene stage. Naturally occurring mutations in this gene are associated with nonobstructive azoospermia. [provided by RefSeq, Apr 2017]

Product images:



Circular map for RC219946