

Product datasheet for **RG218512**

Testin (TES) (NM_152829) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Testin
Synonyms:	TESS; TESS-2
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218512 representing NM_152829
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTTAGGTACGAGCAAGGATTTGGAGCCCTTGTAAAATGCAAAGAAAAATGTGAAGGATTTCG
AACTGCACTTCTGGAGAAAAATATGTCGTAAGTCAAGTGTGGCCAAGAAGAGCATGATGTCCTCTTGAG
CAATGAAGAGGATCGAAAAAGTGGGAAAACTTTTGAAGACACCAAGTATACCACTCTGATTGCAAACTA
AAGTCAGATGGAATCCCATGTATAACGCAATGTTATGATATTGACGAATCCAGTTGCTGCCAAGAAGA
ATGTCTCCATCAATACAGTTACCTATGAGTGGGCTCCTCCTGTCCAGAATCAAGCATTGGCCAGGCAGTA
CATGCAGATGCTACCCAAGGAAAAGCAGCCAGTAGCAGGCTCAGAGGGGGCACAGTACCGGAAGAAGCAG
CTGGCAAAGCAGCTCCCTGCACATGACCAGGACCCTTCAAAGTGCCATGAGTTGTCTCCAGAGAGGTGA
AGGAGATGGAGCAGTTTGTGAAGAAATATAAGAGCGAAGCTCTGGGAGTAGGAGATGTCAAATTCCTCTG
TGAGATGGATGCCCAAGGCCCAACAAATGAACATTCTGGAGGGGATAGAAGCACCCAGCAGCAGTG
GGGGCCATGGAGGACAAATCTGCTGAGCAGCAAAAGAACTCAATATTCCTGCTATTGCTGCAAACTGAGTA
TGAAAGAAGGTGACCCAGCCATCTATGCCGAAAGGGCTGGCTATGATAAAGTGTGGCAGCCAGCTTGT
TGTCTGCAGCACCTGCCATGAACCTCTGGTTGACATGATTTATTTTGAAGAATGAGAAGCTATACTGT
GGCAGACATTACTGTGACAGCGAGAAACCCGATGTGCTGGCTGTGACGAGCTGATATTGAGCAATGAGT
ATACCCAGGCAGAAAACGAGATTGGCACCTGAAACACTTCTGCTGCTTTGACTGTGATAGCATTCTAGC
TGGGGAGATATACGTGATGGTCAATGACAAGCCCGTGTGCAAGCCCTGCTATGTGAAGAATCACGCTGTG
GTGTGTCAAGGATGCCACAATGCCATCGACCCAGAAGTGCAGCGGTGACCTATAACAATTCAGCTGGC
ATGCATCCACAGATGCTTTCTGTGCTCTTGTGTCAGCAAAATGCCTATTGGGCAGAAAGTTCATGCCAGT
AGAAGGGATGGTTTTCTGTTCAGTGGAATGTAAGAAGAGGATGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



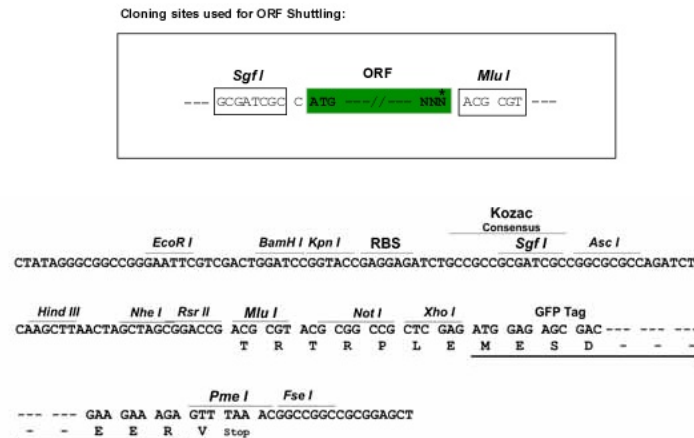
Protein Sequence: >RG218512 representing NM_152829
Red=Cloning site Green=Tags(s)

MGLGHEQGFAGPCLKCKEKEGFEHFWRKICRNCKGQEEHDLVLSNEEDRKVGKLFEDTKYTTLIAKL
KSDGIPMYKRNVMILTNPVAAKKNVSINTVTYEWAPPVQNQALARQYMQLPKEKQPVAGSEGAQYRKQ
LAKQLPAHDQDPSKCHELSPREVKEMEQQVKKYKSEALGVGDVKLPCEMDAQGPKQMNIPGGDRSTPAAY
GAMEDKSAEHKRTQYSCYCKLSMKEGDPATYERAGYDKLWHPACFVCSTCHELLVDMIYFWKNEKLYC
GRHYCDSEKPRCAGCDELIFSNEYTQAENQNWHLKHFCFDCDSILAGEIYVMVNDKPVCKPCYVKNHAV
VCQGGCHNAIDPEVQRVTYNNFSWHAETECFLCSCCSKCLIGQKFMPEGMVFCVVECKKRMS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152829

ORF Size: 1236 bp

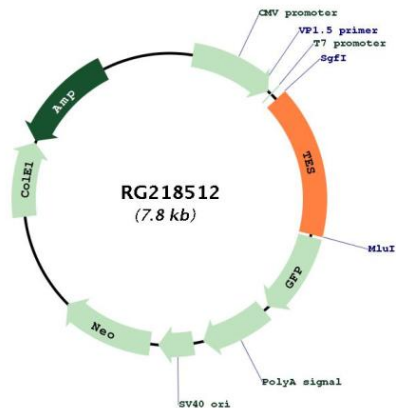
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_152829.3</u>
RefSeq Size:	2633 bp
RefSeq ORF:	1239 bp
Locus ID:	26136
UniProt ID:	<u>Q9UGI8</u>
Cytogenetics:	7q31.2
Domains:	LIM
Gene Summary:	Cancer-associated chromosomal changes often involve regions containing fragile sites. This gene maps to a common fragile site on chromosome 7q31.2 designated FRA7G. This gene is similar to mouse Testin, a testosterone-responsive gene encoding a Sertoli cell secretory protein containing three LIM domains. LIM domains are double zinc-finger motifs that mediate protein-protein interactions between transcription factors, cytoskeletal proteins and signaling proteins. This protein is a negative regulator of cell growth and may act as a tumor suppressor. This scaffold protein may also play a role in cell adhesion, cell spreading and in the reorganization of the actin cytoskeleton. Multiple protein isoforms are encoded by transcript variants of this gene.[provided by RefSeq, Mar 2011]

Product images:



Circular map for RG218512