

Product datasheet for **RC200205**

Testin (TES) (NM_015641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Testin
Synonyms:	TESS; TESS-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC200205 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCTGGAACAAAGTGAAGAAGATGGGCTTAGGTACGAGCAAGGATTTGGAGCCCCCTGTTTAA
 AATGCAAAGAAAAATGTGAAGGATTGAACTGCACTTCTGGAGAAAAATATGTCGTAAGTGAAGTGTGG
 CCAAGAAGAGCATGATGTCCTCTTGAAGGATCGAAAAAGTGGGAAAACTTTTGAAGACACC
 AAGTATACCACTCTGATTGCAAACTAAAGTCAGATGGAATCCCATGTATAACGCAATGTTATGATAT
 TGACGAATCCAGTTGCTGCCAAGAAGATGTCTCCATCAATACAGTTACCTATGAGTGGGCTCCTCCTGT
 CCAGAATCAAGCATTGGCCAGGCAGTACATGCAGATGCTACCCAAGGAAAAGCAGCCAGTAGCAGGCTCA
 GAGGGGGCACAGTACCGGAAGAAGCAGCTGGCAAAGCAGCTCCCTGCACATGACCAGGACCCCTCAAAGT
 GCCATGAGTTGTCTCCAGAGAGGTGAAGGAGATGGAGCAGTTTGTGAAGAAATATAAGAGCGAAGCTCT
 GGGAGTAGGAGATGTCAAATCCCTGTGAGATGGATGCCAAGGCCCAACAAATGAACATTCCTGGA
 GGGGATAGAAGCACCCAGCAGCAGTGGGGGCCATGGAGGACAAATCTGCTGAGCACAAAAGAACTCAAT
 ATTCCTGCTATTGCTGCAAACTGAGTATGAAAGAAGGTGACCCAGCCATCTATGCCGAAAGGGCTGGCTA
 TGATAAACTGTGGCACCAGCTTGTCTGTCTGCAGCACCTGCCATGAACCTCTGGTTGACATGATTTAT
 TTTTGAAGAATGAGAAGCTATACTGTGGCAGACATTACTGTGACAGCGAGAAACCCGATGTGCTGGCT
 GTGACGAGCTGATATTCAGCAATGAGTATACCCAGGCAGAAAACCAGAATTGGCACCTGAAACACTTCTG
 CTGCTTTGACTGTGATAGCATTCTAGCTGGGGAGATATACGTGATGGTCAATGACAAGCCCGTGTGCAAG
 CCCTGCTATGTGAAGAATCACGCTGTGGTGTGCAAGGATGCCACAATGCCATCGACCCAGAAGTGCAGC
 GGGTGACCTATAACAATTCAGCTGGCATGCATCCACAGAGTCTTCTGTGCTTTGCTGCAGCAAATG
 CCTCATTGGGCAGAAGTTCATGCCAGTAGAAGGGATGGTTTTCTGTTCAGTGAATGTAAGAAGAGGATG
 TCT

AGCGGACCGACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200205 protein sequence
 Red=Cloning site Green=Tags(s)

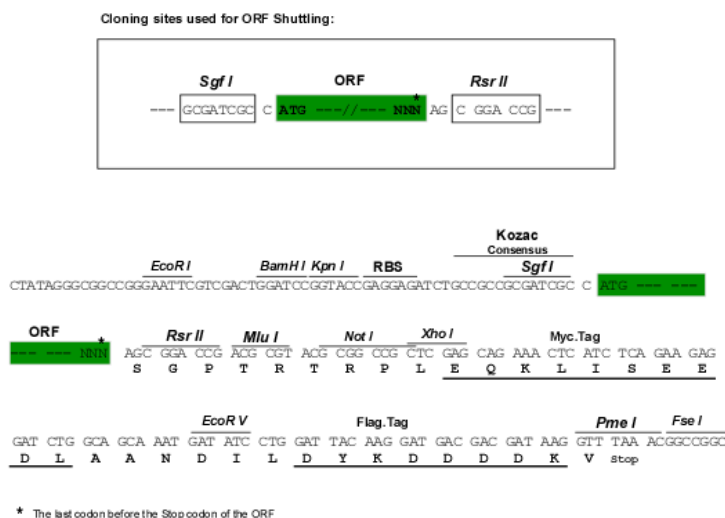
MDLENKVKKMGLGHEQGFAPCLKCKEKEGFEHFWRKICRNCKGQEEHDVLLSNEEDRKVGKLFEDT
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 EGAQYRKKQLAKQLPAHDQDPKCHELSPREVKEMEQFVKYKSEALGVGDVKLPCEMDAQGPQMNIPIG
 GDRSTPAAVGAMEDKSAEHKRTQYSCYCKLSMKEGDPPIYAERAGYDKLWHPACFVCSTCHELLVDMIY
 FWKNEKLYCGRHYCDSEKPRCAGCDELIFSNEYTQAENQNWHLKHFFCCFDCDSILAGEIYVMVNDKPVCK
 PCYVKNHAVVCQGCHNAIDPEVQRVTYNNFSWHAETECFLSCSSKCLIGQKMPVEGMVFCVSECKKRM
 S

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6617_e04.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_015641

ORF Size: 1263 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 0.22µm filter is required.

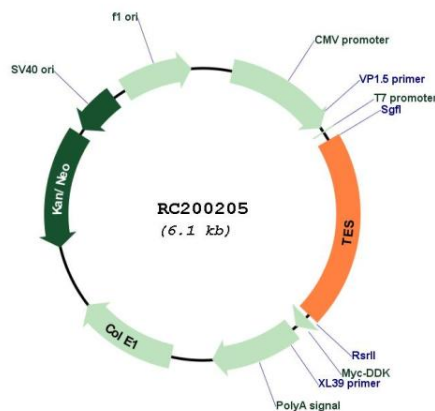
RefSeq: NM_015641.4

RefSeq Size: 2799 bp

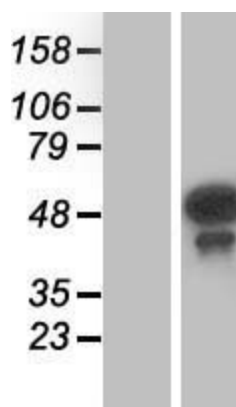
RefSeq ORF:	1266 bp
Locus ID:	26136
UniProt ID:	Q9UGI8
Cytogenetics:	7q31.2
Domains:	LIM
MW:	48 kDa

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]

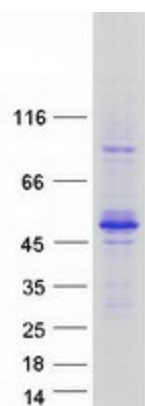
Product images:



Circular map for RC200205



Western blot validation of overexpression lysate (Cat# [LY414423]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200205 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified TES protein (Cat# [TP300205]). The protein was produced from HEK293T cells transfected with TES cDNA clone (Cat# RC200205) using MegaTran 2.0 (Cat# [TT210002]).