

Product datasheet for RC220746

TENC1 (TNS2) (NM_198316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TENC1 (TNS2) (NM_198316) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TNS2
Synonyms:	C1-TEN; C1TEN; TENC1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC220746 representing NM_198316 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCGGGCTGGGACTTAGACCTCACCTACGTGACGGAGCGCATCTGGCCGGCCTTCCCCGGC
GGCCGATGAACAGCGGCACCGGGCCACCTGCGCGAGCTGGCCATGTGCTGCAATCCAAGCACGGGA
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TTCGGCTGGCCTGAGCTGCATGCTCCACCCTGGACAAGCTGTGCTCCATCTGCAAAGCCATGGAGACAT
GGCTCAGTGTGACCCACAGCACGTGGTCGTAATACTGCAAGGAAACAAGGGCAAGCTGGGGTCAT
CGTTTCTGCCTACATGCACTACAGCAAGATCTCTGCAAGGGCGGACCAGGCACTGGCCACTCTTACCATG
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GAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC220746 representing NM_198316
 Red=Cloning site Green=Tags(s)

MERRWDLDTYVTERILAAFFARPDEQRHRGHLRELAHVLQSKHRDKYLLFNLSEKRHDLTRLNPKVQD
 FGWPELHAPPLDKLCSICKAMETWLSADPQHVVVLYCKGNKGLGVIVSAYMHYSKISAGADQALATLTM
 RKFCEDKVATELQPSQRRYISYFSGLLSGSIRMNSPLFLHYVLIPMLPAFEPGTGFQPFLLKIYQSMQLV
 YTSGVYHIAGPGPQQLCISLEPALLLKGDVMVTCYHKGGRTDRTL VFRVQFHTCTIHGPQLTFPKDQLD
 EAWTDERFPFQASVEFVSSPEKIKGSTPRNDPSVSDYNTTEPAVRWDSYENFNQHHEDSVDGSLTHT
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 VPSQMPWLVASPEPPQSSPTPAFPLAASYDTNGLSQPPLPEKRHLPGPGQP GPWGEQASSPARGISHH
 VTFAPLLSDNVPQTPEPPTQESQSNVKFVQDTSKFWYKPHLSRDQAIALLKDKDPGAF LIRDHSFQGAY
 GLALKVATPPPSAQPWKGDVPEQLVRHFLIETGPKGVKIKGCPSEPYFGSLSALVSQHSISPLPCCLR
 IPSKDPLEETPEAPVPTNMSTAADLLRQAACSVLYLTSVETESLTGPQAVARASSAALSCSPRTPAVV
 HFKVSAQGITLTDNQRKLFRRHYPVNSITFSSDTPQDRRWTPDGTTSKIFGFVAKKPGSPWENVCHLF
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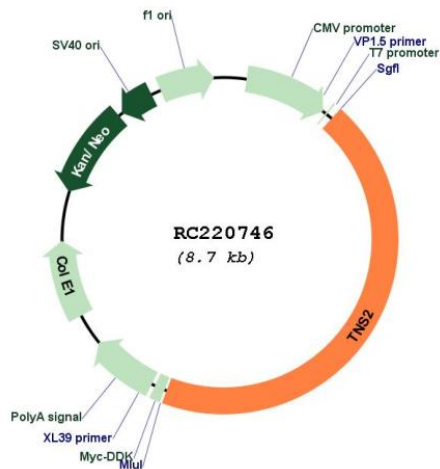
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198316

ORF Size: 3855 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_198316.2](#)

RefSeq Size: 4690 bp

RefSeq ORF: 3858 bp

Locus ID: 23371

UniProt ID: [Q63HR2](#)

Cytogenetics: 12q13.13

Protein Families: Druggable Genome

MW: 138.6 kDa

Gene Summary: The protein encoded by this gene belongs to the tensin family. Tensin is a focal adhesion molecule that binds to actin filaments and participates in signaling pathways. This protein plays a role in regulating cell migration. Alternative splicing occurs at this locus and three transcript variants encoding three distinct isoforms have been identified. [provided by RefSeq, Jul 2008]