

Product datasheet for **RC231454**

TEX13C (NM_001195272) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	TEX13C
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231454 ORF sequence, **codon optimized**.
Due to the complexity of NM_001195272, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCATGAATTTGGCGACCAAGCCAGCGGATTCAGACACGATGACGTCATCCGCTTCATCAACAACG
AGGTCCTCAGAAACGGCGGCTCACCAGCCTTTTACACCGCTTTTAGGTCTAGGCCATGGAATGAGGTGGA
AGACCGGCTGCGGGCCATCGTGCCGACCCGAGGGTCCCTCGAGCCATCAAGCGGGCTTGACGTGGTCA
GCACTCGCACTCAGCGTCAAGTCGAGCCCGCCAGCAGGAGGAGCTTCTGTACCAAGTCTGGTGGCTGC
AGGGTCATGTGGAGGAATGCCAGGCCACATCATGGGCCCTCACCAGTCAGTTGCAGCAGCTCCGACTGGA
GCATGAGGAGGTCGCAACACAGCTTCACCTGACTCAAGCAGCCCTTCAACAAGTTTTGAACGAGCGGGAT
GGGCTCTGTGGTAGACTCCTCGAAGTCGAGAGGTCAATGCAGGTGTACCCTATGCCTCAGGATTTTGTGC
CCGGGCCCCGAAGCCGGGCGATGTTCTGTGGCAGGCACCTGAACGCCGAGCAGTCTGAGGCCGTGCG
CACAGAAGCACAAGGAATGCCTCATAGTGAAGCTCAGGTGCGCCGCCAACCAGTTTACTATATGCCG
GAACCCAGTCTGGGCGGGTGCAGGGCATGCAGCCATTGCTTCTGATGCAGGCACCCACCCGGTCCCGT
TTTCATATGCCGAGCCGATGGGACTTCCCTACTCAACCCCACTGCCACCACCTGTCTGATGGAGTCAGC
TGCTGCCATCGCTCCCCAGATGCCACCAGCGGGCATCTACCCTCCCGCCCTTTGGGCAACCGTGGGCTCC
CAAGAGGAAACAGCACCCCTGGGACCAGAAGTGCCACGGACAGGACGGCTATCCTGAAAACCTCCAGG
GCGTGTATCATCCGGGTGACAATAGATCATGCAATCAGAAGGAAGGATCTGAGTGCCCAAGGAATGAC
GTCCCAGGGGGATAGCAGTTCACACAGCCTGAAGAAGGATCCCGTGATGCAGGAAGGCACTGCCCCCCT
GAGTTTTCCCGATCACATAGCCTGGAAAAGACCTGTGATGCCCAAGGAGATGGTCCCCTTGGGCGACT
CTAATAGCCACAGCCTGAAGAAAGACCCGTCGTGCCTAAGGAGATTGTGCCTATTGGCGATAGCAATTC
TCACTCACTCACAAAGAATCCTGTGGTCCACAAGGAAATGGTGTCTCTTGGAGATTCCAACAGCCATCC
ATGAAGAAAGACCTGTGATGCCCCAGAAAATGGTGCCACTCGGAGATTCCAACCTCCCATAGTCTGAAAA



AAGATCCCATGATGTGTCAGGAAATGGTGCCCTGGGGGACTCTAATAGTCATTCCCTTAAGAAAGATCC
CGTAGTTGCTCAGGGCACTGCTCCATTGATGTATTCTAGCGGCACTCTCAAAAGAAAGTGGCCATGATG
CCAAAGGAGATGGTACCACTGGGTGAATCCACAGTCACAGTCTGAAAAAGGATCTCGTGGTCCCGAAGG
AATTGGTGCCCTTGGAGATAGCAAACTCATAGAATGAAGAAAGATCCGGTGATGCCACAGAAGATGGT
TCCTCTGGGGGACTCCAGGAGTCACTCTTTGAAAAAGGATCCAGTTATGCCGAGAACATGATACCTCTG
GAAGACTCCAACCTCACTCTCTGAAAAAGGATCCCGTGATGCCACAGAACATGATCCCTCTTGAGACA
GCAACAGCCACTCACTGAAAAAGGATCCTATGATGCACCAAGAGATGGTGCCTCTCGGCGATTCCAACAG
CCACTCCCTGAAGAAGGACCCCGTGGTTCCTCAGGATACTGCACCCCTGATGTTTCAGCAGACGGCACTCC
CTCAAGAAGGTGCCTGTGATGCCCAAGGAGATGGTGCCCTGGGGGATAGTCATTCTTGAAAAAGGATC
CGGTATGCCCCAGAACATGGTTCCTGAGGATAGCAATAGCCATTCTCTCAAGAAAGATCCCGTGGT
GCCTCAAGGAACGCCCATTTGATGTTTCAGCCGAGACATTCTCTGAAGAAGGTGCCTGTGATGCCCAAG
GAAATGGTACCTTTGGGTGATTCTAATTCACACTCTTTGAAAAAGGATCCGGTTGTGCCTCAAGGCACCG
CGCCATTGATGTTTAGCAGAAGGCACAGTCTGAAGAAAGTGCCAGTGATGCCCAAGGAGATGGTTCCTCT
GGGGGACTCTCATTCACTGAAGAAAGATCCAGTGATGCCCCAGAATATGGTCCCACTTGAGGATTCAAAC
AGCCATAGTCTGAAAAAGACCCTGTCGTCCCGAGGAAACGGCTCCGCTGACATTTCTAGGAGACACT
CACTGAAAAAGGTGCCAGTTGTCCCGCAGGAAACCGCAGTCTGGGGTTTTCTCGCATCCATAGTTTGAA
GAAAGAACTCGTGATGCCCGAAGAGATGGTCCCGCTGGGGGATTCAATAGCCACAGATGAAAAAGGAT
CTGGTGATGCCAAAGAAATGGTGCCACTGGGAGATTCAACTCACACTCACTTAAGAAGGATCCCGTGG
TCCATCAGGAGGTGGTATCTCTGGGCGACTCCACAGTCACTCCCTCAAGAAGCACCAGTCATTCCCA
AGGGACCGCTCACTCCGATTTTCCAAGAGTCACTCAGAGAAGGAGGACCAGGAAAGGCCAGGTCAAC
CCCCTGGAGGACAGCAAGAGCCATGGGGTTAAAAATAGCCCATGGAAGCATCAGCCTCAGGGGCAGAAAG
TAAAGGAACAGAAACGAAAAAGGCTTCCGAAAGCCAGCAGCAGAGCCAGCGTCTGCAGCAGCCCCGT
GAACTGGGCTGCCATGGTGAACGCTATGAACTTTCTCGAAACAAGGTATGTTCTAAATGTAAGAGG
GTGCGCATGCCCGTGGAGAACGGCTCAGTCGATCCTGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231454 representing NM_001195272
Red=Cloning site Green=Tags(s)

MAMNFGDHASGFRHDDVIRFINNEVLNRNGSPAFYTAFRSRPWNEVEDRLRAIVADPRVPRAIKRACTWS
ALALSVQVAARQQEELLYQVWWLQGHVEECQATSWALTSQQLQLRLEHEEVATQLHLTQAALQQVLNERD
GLCGRLLLEVERSMQVYPMPQDFVPGPEAGQYGPVAGTLNAEQSEAVATEAQGMHSEAVAAAPTAVYYMP
EPQSGRVQGMQPLLLMQAPHPVPFHMPSPMGLPYSTPLPPPVMESAAAIAQMPPIAGIYPPGLWATVGS
QEETAPPWDQKCHGQDGYPENFGVYHPGDNRSNQNKEGSECPQGMTSQGDSSSHSLKKDPVMQEGTAPP
EFSRSHSLEKKPVMPKEMVPLGDSNSHSLKKDPVVPKEIVPIGDSNSHSLTKNPVVKHEMVSLGDSNSHS
MKKDPVMPQKMPVPLGDSNSHSLKKDPMQCQEMVPLGDSNSHSLKKDPVVAQGTAPLMYSRRHSQKKVPM
PKEMVPLGESHSLSLKKDLVVPKELVPLGDSKSHRMKKDPVMPQKMPVPLGDSRSHSLKKDPVMPQNMIP
EDSNHSLKKDPVMPQNMIPLEDNSHSLKKDPMHQEMVPLGDSNSHSLKKDPVVPQDTAPLMFSRRHS
LKKVPVMPKEMVPLGDSHSLKKDPVMPQNMVPLEDSNSHSLKKDPVVPQGTAPLMFSRRHSLKKVPVMPK
EMVPLGDSNSHSLKKDPVVPQGTAPLMFSRRHSLKKVPVMPKEMVPLGDSHSLKKDPVMPQNMVPLEDSN
SHSLKKDPVVPQGTAPLTFRRHSLKKVPVVPQGTASLGFSRIHSLKKELVMPEEMVPLGDSNSHSMKKD
LVMPKEMVPLGDSNSHSLKKDPVVPQEVVSLGDSNSHSLKKHPVIPQGTASLRFSSKSHSQKEDQERPV
PLEDSKSHGVKNSPWKHQPPGQKVKKEQKRKASESQQKQPASCSSPVNWACPWCMAMNFRPNKVKVCKCKR
VRMPVENGSDPA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001195272

ORF Size: 2979 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.

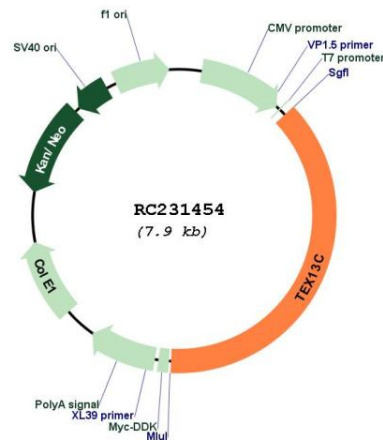
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_001195272.1, NP_001182201.1</u>
RefSeq Size:	4765 bp
RefSeq ORF:	2982 bp
Locus ID:	100129520
UniProt ID:	<u>A0A0J9YWL9</u>
Cytogenetics:	Xq25
MW:	109.8 kDa

Product images:



Circular map for RC231454