

Product datasheet for **SC214722**

TFE3 (NM_006521) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	TFE3
Synonyms:	bHLHe33; RCCP2; RCCX1; TFEA
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_006521
Insert Size:	1462 bp



Insert Sequence:

>SC214722 3'UTR clone of NM_006521

The sequence shown below is from the reference sequence of NM_006521. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
AGCAGCTTCAGCATGGAAGAGGAGTCCATCAGGCTCACCCCTCCCCTGGGACTTTCCACCCAGGA
AAGGAGGACCAGTCAGGATGAGGCCCGCCTTTTCCCCACCCCTCCCATGAGACTGCCCTGCCCAGGTA
TCCTGGGGGAAGAGGAGATGTGATCAGGCCCAACCCCTGTAAATCAGGCAAGGAGGAGTCAAGTGA
GCCCTGCACCTTCCCCAAAGGAACCGCCAGTCAGGATTTTCAGAAGGAGAAGGCTGGAGAAGGACAT
GAGATCAGGGCCTGCCCTTGGGGATCACAGCCTCACCCCTGCCCTGTGGGACTCATCCTTGCCGAGG
TGAGGGAAGGAGACAGGATGAGGTCTCGACCTGTCCCTAGGGACTGTCTAGCCAGGTCTCCTGGGA
AAGGGAGATGTCAGGATGTTGCTCCATCCTTTGTCTTGAACCAACAGTCTAGTCCGTCCTGGCACAGA
AGAGGAGTCAAGTAATGGAGGTCCCAGCCCTGGGGTTTAAAGCTCTGCCCTTCCCCATGAACCTGCC
CTGCTCTGCCCAGGCAAGGAACAGAAGTGAGGATGAGACCCAGCCCTTCCCCTGGGAACCTCTCCTGGC
CTTCTAGGAATGGAGGAGCCAGGCCCAACCCCTTCCCTATAGGAACAGCCAGCACAGGTATTTCAAGT
GTGAAAGAATCAGTAGGACCAGGCCACCGTAGTGCTGTGGAGATCACAGCCCAACCTTGTCCCTCA
GCAACATCCCATCTAAGCATTCCACACTGCAGGGAGGAGTGGTACTTAAAGTCCCCTGCCTTAACCTGG
GACCAACCTGACCTAACCTAGGAGGGCTCTGAGCCAACCTTGTCTTGGGGAAGGGGACAGATTATGAA
ATTTCTAGGATGAATTTTCCAGACCTATATCTGGAGTGAGAGGCCCAACCCCTTGGGCAGAGTCTGCC
TTCTTCTTGGAGGAGTGGGAAGGTGATGGGTATTAGTGGGGGACTGAGTTCAAGTTACCAGAAC
CAGTACCTCAGTATTCTTTTCAACATGTAGGGCAAGAGGATGAAGGAAGGGGCTATCCTGGGACCTCC
CCAGCCAGGAAAACTGGAAGCCTTCCCCCAGCAAGGCAGAAAGCTTGGAGGAGGGTTGTAAGAGCATA
TTGTACCCCTCATTTGTTTATCTGATTTTTTATTGCTCCGCATACTGAGAATCTAGGCCACCCCAAC
CTCTGTTCCCCACCCAGTCTTCAATTTGGAGGAATCACCCATTTCAAGATTATCAAGAGACACTCCCC
CCTCCATTTCCACCCCTCATACCTACCCCAAGGTTGTCAGCTTTGGATTGCTGGGGCCAGGCCCATG
GAGGGTATACTGAGGGGTCTATAGGTTTGTGATTAAATAATAAAGCTAGGCGTGTTTGATGCGCTTT
TAACTTTGGCAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites:

SgfI-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

NM_006521.6

Summary:

This gene encodes a basic helix-loop-helix domain-containing transcription factor that binds MUE3-type E-box sequences in the promoter of genes. The encoded protein promotes the expression of genes downstream of transforming growth factor beta (TGF-beta) signaling. This gene may be involved in chromosomal translocations in renal cell carcinomas and other cancers, resulting in the production of fusion proteins. Translocation partners include PRCC (papillary renal cell carcinoma), NONO (non-POU domain containing, octamer-binding), and ASPSCR1 (alveolar soft part sarcoma chromosome region, candidate 1), among other genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]

Locus ID:

7030

MW:

52.9