

Product datasheet for **RC223529**

TCFL5 (NM_006602) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCFL5 (NM_006602) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCFL5
Synonyms:	bHLHe82; CHA; E2BP-1; Figlb; SOSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC223529 representing NM_006602
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTCGGGCCCGGACCGCGGGAGCCCGCGCGGAGGCAGGCGCGCAGGCGCGAGGCGGCCGCTCGAGG
 GCGCGGGCGGCGGGACGCGCGCTGGGCGAGCCGGGGCTGAGCTTCACGACCACCGACCTGAGCCTGGT
 GGAGATGACGGAGGTGGAGTACACGCAGCTGCAGCACATCCTCTGCTCGCACATGGAGGCGGCGGTGAC
 GGCGAGCTCGAGACGCGCCTCAACTCGGCGCTGCTGGCGCGCGGGCCCGGGCGCAGGCGCGGCGGCT
 TCGCGGCGGGCGGTGAGGGGGCGCGCGCCCGTGTACCCCGTGTGCGCCGTCGCGCTGGCGGCCGA
 CGCGCCCTGCCTGGGCCACATCGACTTCCAGGAGCTGCGCATGATGCTGCTAAGCGAGGCGGGCGCGCG
 GAGAAGACGTGGGCGGCGGGGACGAGCGAGGCGCGGCGCGCGCGCCGCAAGGAGGCGCGGGCG
 CGGCTGCGGCTGCGGCTGGACCCGACGGCGCGCCGAGGCCCGGGCCAAGCGGCCGTGCGCGTCCGCCT
 GGAGGACCGCTTCAACAGCATCCCGCGGAGCCCGCGCCGCGCGCGCGCGCCCGAGCCCCGAGCCCG
 GCGGGGCGCTCAACAATTTGGTAATCTCATTGACATCCATCTGAACATAATGAATGTTCTCTTCAGC
 AACAAAACAAATGTACAGCATTAGTGAAAAATAAACTGCGGCTACAACACTACTGCTTTGCAATTTACATA
 CCCACTGTTTACTACAAATGCTTGCTCTACTAGTGGAATTTCTAATCTTTCACAGACACAGAGTTCTAGT
 AACTCATGTTCTGTACTTGAAGCTGCCAAGCACCAGGATATTGGATTGCCTAGAGCATTTTCTTTCTGTT
 ATCAGCAAGAAATTAATCCACTAAACAGACGTTAGGTAGTAGAAACAAAGTTTTGCCTGAGCAAGTTTG
 GATTAAGTGGGAGAAGCAGCGCTATGCAACAAGCACTGAAGAGGAATCGGAGTAGAATGCGTCAGTTG
 GACACAAATGTAGAGCGAAGAGCCCTTGGAGAGATTGAGAATGTGGGCGAAGTGCCACCGCCACACAAG
 GCGCTTGGCAGTCTCGGAGTCTCACAGGCAAACTGGGGGAGCAGGCCAGAGTGGGCCCCAGGGAGG
 AAGGTCTCAACGTAGGGAGAGGCATAACCGAATGGAAAGAGATAGAAGGCGCAGAATCCGCATTTGCTGT
 GATGAGTTGAATCTCTTAGTGCCGTTCTGCAATGCCGAGACTGACAAGGCCACAACCTCTGCAAGTGACCA
 CAGCATTCCTGAAATACATCCAGGAAAGACATGGAGATTCTCTTAAAAAGGAATTTGAGAGCGTATTTTG
 CGGTAAACTGGCCGAAGGCTAAAGCTGACCAGACCGGACTCCTTGGTGACCTGTCTGCACAGGGGAGT
 TTACAGAGCAGCCCTCGATGGAGATCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC223529 representing NM_006602
 Red=Cloning site Green=Tags(s)

MSGPGPREPPPEAGAAGGEAAVEGAGGGDAALGEPGLSFTTTDLSSLVEMTEVEYTLQHLCSHMEAAAD
 GELETRLNSALLAAAGPGAGAGGFAAGGQGAAPVYPVLCPSALAADAPCLGHIDFQELRMMLLSEAGAA
 EKTSGGD GARARADGAAKEGAGAAAAAAGPDGAPEARAKPAVRVRLED RFNSIPAEP PPAPRGPEPPEP
 GGALNNLVTLIRHPSSELMNVPLQQQNKCTALVKNKTAATTTALQFTYPLFTTNACSTSGNSNLSQTQSSS
 NSCSVLEAAKHQDIGLPRAF SFCYQQE IESTKQTLGSRNKVLPQVWIKVGEAALCKQALKRNRSRMRQL
 DTNVERRALGEIQNVGEGATATQGAWSSESSQANLGEQAQSGPQGGRSQRRERHNRMERDRRRIRICC
 DELNLLVPFCNAETDKATTLQWTTAFLKYIQRHGD SLKKEFESVFCGKTGRRLKLTRPDSLVTCPAQGS
 LQSSPSMEIK

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006602

ORF Size: 1500 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: [NM_006602.4](#)

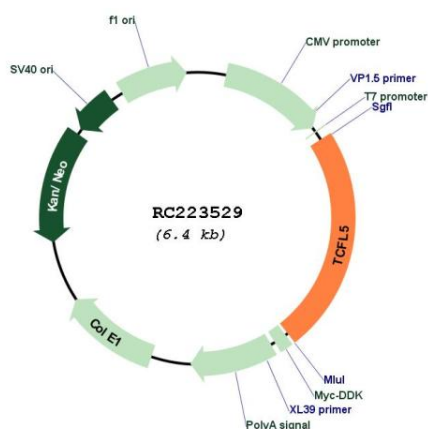
RefSeq Size: 2474 bp

RefSeq ORF: 1503 bp

Locus ID: 10732

UniProt ID:	Q9UL49
Cytogenetics:	20q13.33
Domains:	HLH
Protein Families:	Druggable Genome, Transcription Factors
MW:	52.5 kDa
Gene Summary:	Putative transcription factor. Isoform 3 may play a role in early spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC223529