

Product datasheet for **RG223529**

TCFL5 (NM_006602) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCFL5 (NM_006602) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCFL5
Synonyms:	bHLHe82; CHA; E2BP-1; Figlb; SOSF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223529 representing NM_006602
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTCGGGCCCGGACCGCGGGAGCCGCGCGGAGGCAGGCGCGCAGGCGGCGAGGCGGCCGCTCGAGG
 GCGCGGGCGGCGGGACGCGCGCTGGGCGAGCCGGGGCTGAGCTTCACGACCACCGACCTGAGCCTGGT
 GGAGATGACGGAGGTGGAGTACACGCAGCTGCAGCACATCCTCTGCTCGCACATGGAGGCGGCGGCTGAC
 GGCGAGCTCGAGACGCGCCTCAACTCGGCGCTGCTGGCGCGCGGGCCCGGCGCAGGCGCGGGCGGCT
 TCGCGGCGGGCGGTGAGGGGGCGCGCGCCCGTGTACCCCGTGTGCGCCGTCGCGCTGGCGGCCGA
 CGCGCCCTGCCTGGGCCACATCGACTTCCAGGAGCTGCGCATGATGCTGCTAAGCGAGGCGGGCGCGGCG
 GAGAAGACGTGGGCGGCGGGGACGAGCGAGGGCCCGGCGGACGCGCGCCCAAGGAGGCGCGGGCG
 CGGCTGCGGCTGCGGCTGACCCGACGGCGCGCCGAGGCCCGGGCCAAGCCGGCCGTGCGCGTCCGCCT
 GGAGGACCGCTTCAACAGCATCCCGCGGAGCCCGCGCCGCGCGCGCGGCCCGAGCCCCCGAGCCG
 GCGGGGCGCTCAACAATTTGGTAACTCTATTGACATCCATCTGAACCTAATGAATGTTCTCTTCAGC
 AACAAAACAAATGTACAGCATTAGTGAAAAATAAACTGCGGCTACAACCTACTGCTTTGCAATTTACATA
 CCCACTGTTTACTACAAATGCTTGCTCTACTAGTGAAATTTCTAATCTTTACAGACACAGAGTTCTAGT
 AACTCATGTTCTGTAATTGAAGCTGCCAAGCACCAGGATATTGGATTGCCTAGAGCATTTTCTTTCTGTT
 ATCAGCAAGAAATTAATCCACTAAACAGACGTTAGGTAGTAGAAACAAAGTTTTGCCTGAGCAAGTTTG
 GATTAAGTGGGAGAAGCAGCGCTATGCAACAAGCACTGAAGAGGAATCGGAGTAGAATGCGTCAGTTG
 GACACAAATGTAGAGCGAAGAGCCCTTGGAGAGATTGAGAATGTGGGCGAAGTGCCACCGCCACACAAG
 GCGCTTGGCAGTCTCGGAGTCTCACAGGCAACCTGGGGGAGCAGGCCAGAGTGGGCCCGAGGGAGG
 AAGGTCTCAACGTAGGGAGAGGCATAACCGAATGGAAAGAGATAGAAGGCGCAGAATCCGCATTTGCTGT
 GATGAGTTGAATCTCTTAGTGCCGTTCTGCAATGCCGAGACTGACAAGGCCACAACCTCTGCAAGTGACCA
 CAGCATTCTGAAATACATCCAGGAAAGACATGGAGATTCTCTTAAAAAGGAATTTGAGAGCGTATTTTG
 CGGTAAACTGGCCGAAGGCTAAAGCTGACCAGACCGGACTCCTTGGTGACCTGTCTGCACAGGGGAGT
 TTACAGAGCAGCCCTCGATGGAGATCAAG

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

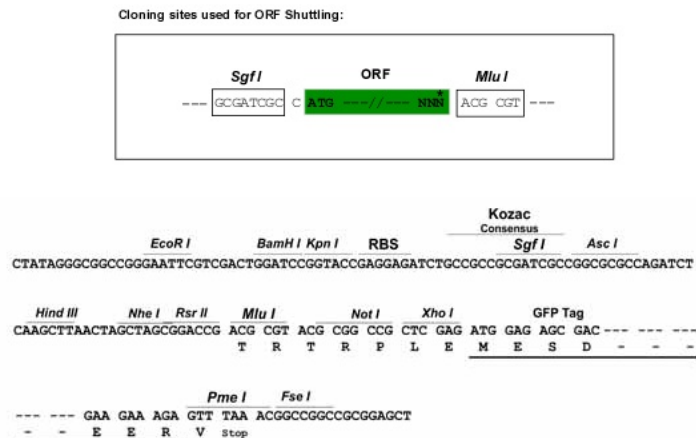
>RG223529 representing NM_006602
 Red=Cloning site Green=Tags(s)

MSGPGPREPPPEAGAAGGEAAVEGAGGGDAALGEPGLSFTTTDLSLVEMTEVEYTLQHILCSHMEAAAD
 GELETRLNSALLAAAGPGAGAGGFAAGGQGAAPVYPVLCPSALAADAPCLGHIDFQELRMMLLSEAGAA
 EKTSGGDDGARARADGAKEGAGAAAAAGPDGAPEARAKPAVRVRLDRFNSIPAEPAPRGPPEPPEP
 GGALNNLVTLIRHPSSELMNVPLQQQNKCTALVKNKTAATTTALQFTYPLFTTNACSTSGNSNLSTQSSS
 NSCSVLEAAKHQDIGLPRAFSCYQQEIESTKQTLGSRNKVLPEQVWIKVGEAALCKQALKRNRSMRQL
 DTNVERRALGEIQNVGEGATATQGAWSSESSQANLGEQAQSGPQGGRSQRRERHNRMERDRRRIRICC
 DELNLLVPFCNAETDKATTLQWTTAFLKYIQRHGDLSLKKEFESVFCGKTGRRLKLTRPDSLVTCPAQGS
 LQSSPSMEIK

TRTRPLE - GFP Tag - V

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.

RefSeq: [NM_006602.4](#)

RefSeq Size: 2474 bp

RefSeq ORF: 1503 bp

Locus ID: 10732

UniProt ID: [Q9UL49](#)

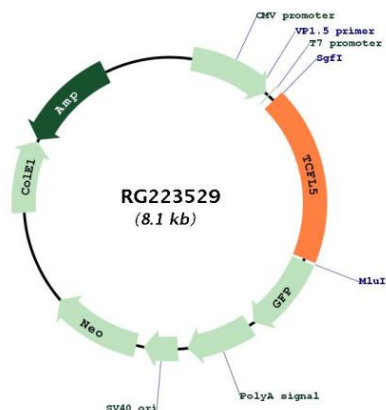
Cytogenetics: 20q13.33

Domains: HLH

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Putative transcription factor. Isoform 3 may play a role in early spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223529