

Product datasheet for **RG232895**

TCP11 (NM_001261817) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP11 (NM_001261817) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCP11
Synonyms:	D6S230E; FPPR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232895 representing NM_001261817
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCGCGCGGGGGAGGAGGAGATACCATCAGCAAAATGCCAGACGTCAAGGAGAGTGTGCCCCGA
 AATATCCTGGCGACTCAGAGGGCAGGTCCTGTAAAGCCGAAACCTCAGGACCCCCCAGGAAGACAAGAG
 CGGCTCCGAGGACCCCCCTCCCTGTCTGACAGAAACCGTTAATGAAGTTTCCAAGCTGAGCAACAAGATT
 GGGATGAATTGTGATTACTACATGGAAGAGAAGGTTTTACCTCCAAGCAGTCTGGAAGGCAAGGTCAAGG
 AGACAGTGCACAATGCCTTTTGGGACCATCTTAAAGAGCAACTATCAGCAACTCCCCCTGACTTCAGCTG
 TGCTCTTGAACCTCTGAAAGAAATTAAGAGATCTTGCTATCACTGCTATTACCACGCCAGAACCCTG
 AGAATTGAGATTGAAGAAGCTCTGGACATGGACTTGCTCAAGCAGGAGGCAGAACATGGGGCCCTGAAAG
 TCCTCTATCTCTAAGTACGTTCTCAACATGATGGCTTTGCTGTGTGCCACAGTTCGAGATGAAGCAGT
 GCAGAAACTAGAAAACATTACGGATCCTGTTTGGCTACTGAGAGGGATCTCCAGTTCTGGGCCGGATG
 AAAATGGACATGGTGAACACTACACTATCCAGAGCCTTCAACCCACCTGCAGGAACATTCCATTAGTATG
 AACGGGCTAAATTCAGGAACTCCTCAATAAGCAGCCTAGTCTCCTTAATCACACCACCAATGGCTGAC
 CCAAGCAGCAGGAGACCTCACCATGTCACCTCCGACTTGCCCAGACACTTCTGACTCCTCCAGTGTGGCT
 GGCCCTCTCCCAATGAGGCAGCCAACAACCCAGAGCCCTCAGCCCCACAATGGTGTGTGTCAGGGCT
 TCTTGAACCTCCTTCTCTGGGACCTTGAAGATGAAGAGTTCCTGAGACCCTGCTGATGGACAGAACCCG
 GCTGCAGGAGCTGAAGTCCCAGTTGACCCAGTTAACCGTCATGGCCTCAGTCTTGTGGTGGCCAGTAGT
 TTCTCCGGCAGTGTTTTGGCTCACCCAAATTTGTAGATAAACTGAAACGCATAACCAATCCTTGT
 TGAAGACTTTCACTCCAGGCCCTGAGGAAGCTATACTGACTGTGAGTGAACAGGTATCTCAGGAAATCCA
 TCAAAGCCTCAAGAATATGGGCCTTGTGCTCTAAGCAGTGATAATACAGCATCTCTAATGGGACAGCTC
 CAGAACATTGCCAAGAAGGAGAAGTGTGCTGCGAGTGTATTGATCAGCGGATCCATTTGTTTCTCAAT
 GCTGTTTGGTCTTGGTGTGACGCGTCTCTATTAGACCTTCTGGAGGCCTTACTCTCATTGAAGCAGA
 ACTGGCAGAACTGGGCCAAAAGTTGTCAACTTGACACATCACAATCAGCAGGTGTTTGGTCCCTACTAC
 ACTGAGATCCTAAAAACCTCATTTCCCGAGCCAGGCACTGGAAACAAAAGTGGAGTCTGTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232895 representing NM_001261817
 Red=Cloning site Green=Tags(s)

MTRGGGGGDTISKMPDVKESVPPKYPGDSEGRSCKPETS GPPQEDKSGSEDPPPCLTETVNEVSKLSNKI
 GMNCDYYMEEKVLPSSLEGKVKETVHNAFWHLKEQLSATPPDFSCALELLKEIKEILLSLLPRQNR
 RIEIEEALDMDLLKQEAHGAALKVLYLSKYVLLNMMALLCAPVRDEAVQKLENITDPVWLLRGI FQVLGRM
 KMDMVNYTIQSLQPHLQEHSIQYERAKFQELLNKQPSLLNHTTKWLTQAAGDLTMSPTCPDTSDSSSVA
 GPSPNEAANNPEPLSPTMVL CQGFLLNLLWDLNEEFPELTLMDRTRLQELKSQLHQLTVMASVLLVASS
 FSGSVLFGSPQFVDKLKRITKSLLDFHSRPEEAILT VSEQVSQEIHQSLKNMGLVALSSDNTASLMGQL
 QNI AKKENCVCVIDQRIHLFLKCLVLGVQRSLLDLPGGLTLEAELAE LGQKFVNLTHHNQQVFGPPY
 TEILKTLISPAQALETKVESV

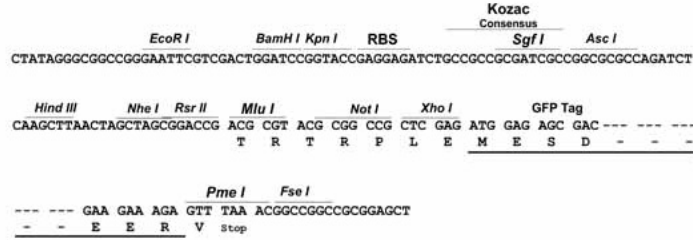
TRTRPLE – GFP Tag – V

Restriction Sites:

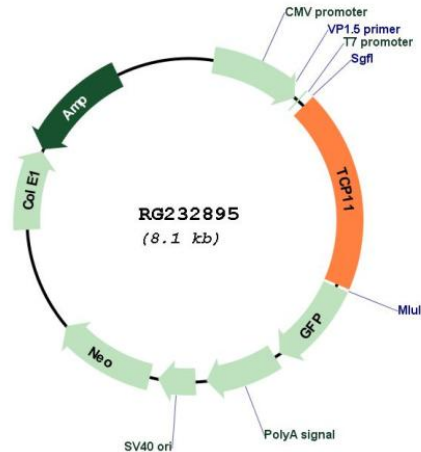
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001261817

ORF Size: 1533 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_001261817.1](#), [NP_001248746.1](#)

RefSeq Size: 1926 bp

RefSeq ORF: 1497 bp

Locus ID: 6954

UniProt ID: [Q8WWU5](#)

Cytogenetics: 6p21.31

Gene Summary: Plays a role in the process of sperm capacitation and acrosome reactions. Probable receptor for the putative fertilization-promoting peptide (FPP) at the sperm membrane that may modulate the activity of the adenylyl cyclase cAMP pathway.[UniProtKB/Swiss-Prot Function]