

Product datasheet for **RG207499**

TCP11 (NM_018679) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP11 (NM_018679) 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)
ORF Nucleotide Sequence:	>RG207499 representing NM_018679 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACAAAAGGCATATTGGGGTCATTTCCAACAGCTATGAACCTGAGTCTGGAAGGCAAGGTCAAGG
AGACAGTGCACAATGCCTTTGGGACCATCTTAAAGAGCAACTATCAGCAACTCCCCCTGACTTCAGCTG
TGCTCTTGAACCTCTGAAAGAAATTAAGAGATCTTGCTATCACTGCTATTACCACGCCAGAACCCTG
AGAATTGAGATTGAAGAAGCTCTGGACATGGACTTGCTCAAGCAGGAGGCAGAACATGGGCCCCTGAAAG
TCCTCTATCTCTAAGTACGTTCTCAACATGATGGCTTTGCTGTGTGCACCAGTTCGAGATGAAGCAGT
GCAGAAACTAGAAAACATTACGGATCCTGTTGGCTACTGAGAGGGATCTCCAGGTTCTGGGCCGGATG
AAAATGGACATGGTGAACACTACACTATCCAGAGCCTTCAACCCACCTGCAGGAACATTCCATTCAAGTATG
AACGGGCTAAATCCAGGAACTCCTCAATAAGCAGCCTAGTCTCCTTAATCACACCACCAATGGCTGAC
CCAAGCAGCAGGAGACCTCACCATGTCACCTCCGACTTGCCAGACACTTCTGACTCCTCCAGTGTGGCT
GGCCCCCTCCCAATGAGGCAGCCAACAACCCAGAGCCCCCTCAGCCCCACAATGGTGTGTGTGACGGCT
TCTTGAACCTCCTTCTCTGGGACCTTAAAAATGAAGAGTTCCTGAGACCCTGCTGATGGACAGAACCCG
GCTGCAGGAGCTGAAGTCCCAGTTGCACCAGTTAACCGTCATGGCCTCAGTCTTGCTGGTGGCCAGTAGT
TTCTCCGGCAGTGTGTTGGCTCACCCCAATTTGTAGATAAACTGAAACGCATAACCAATCCTTGT
TGGAAGACTTTCACTCCAGGCTGAGGAAGCTATACTGACTGTGAGTGAACAGGTATCTCAGGAAATCCA
TCAAAGCCTCAAGAATATGGGCCTTGTGCTCTAAGCAGTGATAATACAGCATCTCTAATGGGACAGCTC
CAGAACATTGCCAAGAAGGAGAAGTGTGTCTGAGTGTATTGATCAGCGGATCCATTTGTTTCTCAAAT
GCTGTTTGGTCTTGGTGTGCAGCGGTCTATTAGACCTTCTGGAGGCCTTACTCTATTGAAGCAGA
ACTGGCAGAACTGGGCCAAAAGTTGTCAACTTGACACATCAACATCAGCAGGTGTTTGGTCCCTACTAC
ACTGAGATCTAAAAACCCTCATTTCCCAGCCAGGCACTGAAACAAAAGTGGAGTCTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207499 representing NM_018679
 Red=Cloning site Green=Tags(s)

MAPKGILGSFPTAMNLSLEGKVKETVHNAFWDLKEQLSATPPDFSCALELLKEIKEILLLLLPRQNR
 RIEIEEALDMDLLKQEAHEGALKVLYLSKYVLNMMALLCAPVRDEAVQKLENITDPVWLLRGIFQVLGRM
 KMDMVNYTIQSLQPHLQEHSIQYERAKFQELLNKQPSLLNHTTKWLTQAAGDLTMSPTCPDTSOSSVA
 GPSPNEAANNPEPLSPTMYLCQGFNLNLLWDLNEEFPEETLLMDRTRLQELKSQLHQLTVMASVLLVASS
 FSGSVLFGSPQFVDKLRITKSLLEDFHSRPEEAILTVSEQVSQEIHQSLKNMGLVALSSDNTASLMGQL
 QNIAKKENCVCVIDQRHFLKCLLVLGVQRSLLDLPGGLTLEAELAEAGQKFVNLTHNQVFGPPY
 TEILKTLISPAQALETKVESV

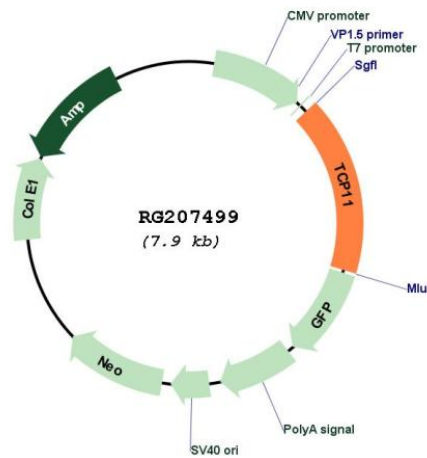
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_018679

ORF Size:	1323 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:	<ol style="list-style-type: none">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_018679.5 , NP_061149.1
RefSeq Size:	2035 bp
RefSeq ORF:	1326 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]