

Product datasheet for **RG221388**

TCP11 (NM_001093728) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP11 (NM_001093728) 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:

>RG221388 representing NM_001093728
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCCGCGCGGGGGAGGAGGAGATACCATCAGCAAAATGCCAGACGTCAAGGAGAGTGTGCCCCGA
 AATATCCTGGCGACTCAGAGGGCAGTCTGTAAAGCCGAAACCTCAGGACCCCCCAGGAAGACAAGAG
 CGGCTCCGAGGACCCCCCTCCCTTTCTTCTGTACAGGTCTGACAGAAACCGTTAATGAAGTTTCCAAG
 CTGAGCAACAAGATTGGGATGAATTGTGATTACTACATGGAAGAGAAGGTTTTACCTCCAAGCAGTCTGG
 AAGGCAAGGTCAAGGAGACAGTGCACAATGCCTTTTGGGACCATCTAAAGAGCAACTATCAGCAACTCC
 CCCTGACTTCAGCTGTGCTCTTGAAGTCTGAAAGAAATTAAGAGATCTTGCTATCACTGCTATTACCA
 CGCCAGAACCCTGAGAATTGAGATTGAAGAAGCTCTGGACATGGACTTGCTCAAGCAGGAGGCAGAAC
 ATGGGGCCCTGAAAGTCTCTATCTCTAAGTACGTTCTCAACATGATGGCTTTGCTGTGTGCACCAGT
 TCGAGATGAAGCAGTGCAGAACTAGAAAACATTACGGATCCTGTTGGCTACTGAGAGGGATCTCCAG
 GTTCTGGCCGGATGAAAATGGACATGGTGAACACTACACTATCCAGAGCCTTCAACCCACCTGCAGGAAC
 ATTCCATTCAAGTGAACGGGCTAAATCCAGGAACCTCAATAGCAGCCTAGTCTCCTTAATCACAC
 CACCAATGGCTGACCAAGCAGCAGGAGACCTCACCATGTACCTCCGACTTGCCAGACACTTCTGAC
 TCCTCCAGTGTGGCTGGCCCTCTCCAATGAGGCAGCCAACAACCCAGAGCCCCCAGCCCCACAATGG
 TGCTGTGTGAGGGCTTCTGAACCTCTCTCTGGGACCTTGAAGTGAAGAGTTCCTGAGACCCTGCT
 GATGGACAGAACCCGGCTGCAGGAGCTGAAGTCCCAGTGCACCAGTTAACCGTCATGGCCTCAGTCTTG
 CTGGTGGCCAGTAGTTTCTCCGGCAGTGTTTTGGTGGCTCACCCCAATTTGTAGATAAACTGAAACGCA
 TAACCAATCCTTGTGGGAAGACTTCACTCCAGGCCTGAGGAAGCTATACTGACTGTGAGTGAACAGGT
 ATCTCAGGAAATCCATCAAGCCTCAAGAATATGGGCCTTGTGCTCTAAGCAGTGATAATACAGCATCT
 CTAATGGGACAGCTCCAGAACATTGCCAAGAAGGAGAAGTGTGTCTGCAGTGTATTGATCAGCGGATCC
 ATTTGTTTCTCAAATGCTGTTTGGTTCTTGGTGTGCAGCGGTCTCTATTAGACCTTCTGGAGGCCTTAC
 TCTCATTGAAGCAGAAGTGGCAGAAGTGGCCAAAAGTTGTCAACTTGACACATACAATCAGCAGGTG
 TTTGGTCCCTACTACACTGAGATCCTAAAAACCCTCATTTCCCAGCCCAGGCACTGAAACAAAAGTGG
 AGTCTGTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG221388 representing NM_001093728
 Red=Cloning site Green=Tags(s)

MTRGGGGDTISKMPDVKESVPPKYPGDSEGRSCKPETS GPPQEDKSGSEDPPPFLSVTGLTETVNEVSK
 LSNKIGMNCDYMEKVLPPSSLEGKVKETVHNAFWHDLKEQLSATPPDFSCALELLKEIKEILLSLLLP
 RQNLRIEIEEALDMDLLKQEAHEGALKVLYLSKYVNLMMALLCAPVRDEAVQKLENITDPVWLLRGIFQ
 VLGRMKMDMVNYTIQSLQPHLQEHSIQYERAKFQELLNKQPSLLNHTTKWLTQAAGDLTMSPTCPDTS
 SSSVAGPSPNEAANNPEPLSPTMVLQGFLLNLLWDLNEEFPELMDRTRLQELKSQLHQLTVMASVL
 LVASSFSGSVLFGSPQFVDKLRITKSLLEDFHSRPEEAILTVSEQVSQEIHQSLKNMGLVALSSDNTAS
 LMGQLQNIAKKENCVCVIDQRIHLFLKCLVLGVQRSLDLPGGLTLEAELAEKGQFVNLTHNQV
 FGPYYTEILKTLISPAQALETKVESV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001093728
ORF Size:	1548 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_001093728.2 , NP_001087197.1
RefSeq Size:	1929 bp
RefSeq ORF:	1551 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]