

Product datasheet for **RN208426**

Tcp11 (NM_001007695) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcp11 (NM_001007695) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tcp11
Synonyms:	MGC95257
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208426 representing NM_001007695
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGACTTGAAGGAGAGGGCGGCCAGGAAGGAGCCCGGCCGCGCAGAGAGCGCTCCCGTGAATCCC
 GCGGGGAAACACCCGGGAGAGCGGAGCAGCGCCAGGGGCACCGATCGCGTAGGTTCAACCGTCGCTC
 GAGCACGGCCGCCCTCACCCAGGGTCCGCGCAGGGGCGCGGGGTACAGACGGCGCCACGAGCTCCCGTG
 GGCCACGGAGGACTGCGGACCGCTTGACCTCCCGGTGTCCCGAGCCCTCCGCCGAGCGAAGCTCCCT
 CGGTACGCGTGGGGCACCGCTTCGCCATCCCGGAAAGGGCCACTTCGGCGCAGCCCGATCTCGCA
 CAGGCTAGGTCTGACGGAGAGTCCACGATGCTTCAAGCTGGATTGCCACTTGAAGATAGGAAATCG
 GCAAGCAGCTGGAAAGCAGAGGCAAGGAGTCTGCCCAGTACTTCTGGGACCATCTGAAAGAACAGC
 TGTGAGCTGTGCCCCGACTTCAGCTGTGCCCTCGAGCTTCTGAAGGAGATCAAAGAGATCCTGCTGTC
 CCTGCTGTGCCGAGGCAGAGCCGCTGAGGAACGAGATCGAGGAAGCGCTGGACATGGAGTTCCCTCAT
 CAGCAAGCTGACCGTGGCGACTTGAACGCTCCTACCTGTCCAAGTACATCCTCAACATGATGGTCTTGC
 TGTGTGCCCGGTCCGCGACGAAGCTGTGCAGAGACTTAAAAACATTTCCGGATCCCGTCCGGCTGTGAG
 GGGGATCTTTCAGGTCTGGGACAGATGAAATGGACATGGTGAACACTACTATCCAGAGCTCCAGCCC
 CAGCTGCAGGAGCACTCCATCCAGTTTGGAGCGGCTCAGTTCCAGGAGCGCTCAACAAAGATCCAGCC
 TCCTCAACCACACCAGAAAGTGGCTCACCAAGCAGCTACACAGCTCATCGCCCCCTCTGGGAGTTGCTA
 TGACATACAGGACCCCTCCAGCTCGTGGGGCGGTCTCCAGTGATATAGCCATCCCGGAGCCTCTCAGC
 CCCGCAATGGTGTCTCAGGGGTTCTGAACCTTCTCACCTGGGACCCCGAGAATGAAGAGTTTCTCTG
 AGACCTGTGGCGGACAGATCCCGGCTGCAGGAGCTGGAGTCGCAGCAGAACCAGCTAACCATCCTTGC
 TCCCGTCTTGTGGTGGCCAGTAGCTTCTCTGGCAGTGTCTTTTTGGCTCACCTCAGTTTGTGGACAGG
 TTGAAACGAATCACTAAGTCCCTGGTGGAGATTTCAACTCCAGGCCGGAGGAAGTATGCAGACCGTGA
 GCGATCAGGTGACCGAGGAAATTCACCAGAGTCTCAAGAATATGGGCTGTCCCTCTGAGCAGCGAGAA
 CACAGACTCCCTCATAGGGCAGCTCCAGAACATTGCCAAAAAGGAAAACTGTGTCCGCGAGCGTATTGAC
 CAGCGGATCCACTTGTTCCTCAAGTGTCTTTGTCTGGGTGTGCAGCGATCTCTTTGGACCTCCCCG
 GGGGCTCAGTCTGATCGAAGCAGAGTTAGCAGAACTGGGCCAGAAGTTTGTGAGCTGACCCACCACAA
 CCAGCAGGTTTTTGGCCCTTACTACCCGAGATCTAAAAACCTCATCAACCCAGTCCAGACCCTCACC
 AAAAAAGTCGGTTCCTCTGA

AC**CGGGCCGC**TCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-NotI

ACCN: NM_001007695

Insert Size: 1701 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001007695.1](#), [NP_001007696.1](#)

RefSeq Size: 1963 bp

RefSeq ORF: 1701 bp

Locus ID: 309641

UniProt ID: [Q5XI00](#)

Cytogenetics: 20p12

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]