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Product datasheet for RG232730

TCP11 (NM_001261820) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP11 (NM_001261820) 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:

>RG232730 representing NM_001261820
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTGTGATTACTACATGGAAGAGAAGGTTTTACCTCCAAGCAGTCTGGAAGGCAAGGTCAAGGAGA
CAGTGCACAATGCCTTTTGGGACCATCTTAAAGAGCAACTATCAGCAACTCCCCCTGACTTCAGCTGTGC
TCTTGAACTTCTGAAAGAAATTAAAGAGATCTTGCTATCACTGCTATTACCACGCCAGAACCGCCTGAGA
ATTGAGATTGAAGAAGCTCTGGACATGGACTTGCTCAAGCAGGAGGCAGAACATGGGGCCCTGAAAGTCC
TCTATCTCTCTAAGTACGTTCTCAACATGATGGCTTTGCTGTGTGCACCAGTTCGAGATGAAGCAGTGCA
GAAACTAGAAAACATTACGGATCCTGTTTGGCTACTGAGAGGGATCTTCCAGGTTCTGGGCCGGATGAAA
ATGGACATGGTGAACTACACTATCCAGAGCCTTCAACCCCACCTGCAGGAACATTCCATTCAGTATGAAC
GGGCTAAATTCCAGGAACTCCTCAATAAGCAGCCTAGTCTCCTTAATCACACCACCAAATGGCTGACCCA
AGCAGCAGGAGACCTCACCATGTCACCTCCGACTTGCCCAGACACTTCTGACTCCTCCAGTGTGGCTGGC
CCCTCTCCCAATGAGGCAGCCAACAACCCAGAGCCCCTCAGCCCCACAATGGTGCTGTGTCAGGGCTTCT
TGAACCTCCTTCTCTGGGACCTTGAAAATGAAGAGTTCCCTGAGACCCTGCTGATGGACAGAACCCGGCT
GCAGGAGCTGAAGTCCCAGTTGCACCAGTTAACCGTCATGGCCTCAGTCTTGCTGGTGGCCAGTAGTTTC
TCCGGCAGTGTTTTGTTTGGCTCACCCCAATTTGTAGATAAACTGAAACGCATAACCAAATCCTTGTTGG
AAGACTTTCACTCCAGGCCTGAGGAAGCTATACTGACTGTGAGTGAACAGGTATCTCAGGAAATCCATCA
AAGCCTCAAGAATATGGGCCTTGTTGCTCTAAGCAGTGATAATACAGCATCTCTAATGGGACAGCTCCAG
AACATTGCCAAGAAGGAGAACTGTGTCTGCAGTGTTATTGATCAGCGGATCCATTTGTTTCTCAAATGCT
GTTTGGTTCTTGGTGTGCAGCGGTCTCTATTAGACCTTCCTGGAGGCCTTACTCTCATTGAAGCAGAACT
GGCAGAACTGGGCCAAAAGTTTGTCAACTTGACACATCACAATCAGCAGGTGTTTGGTCCCTACTACACT
GAGATCCTAAAAACCCTCATTTCCCCAGCCCAGGCACTGGAAACAAAAGTGGAGTCTGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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Protein Sequence:

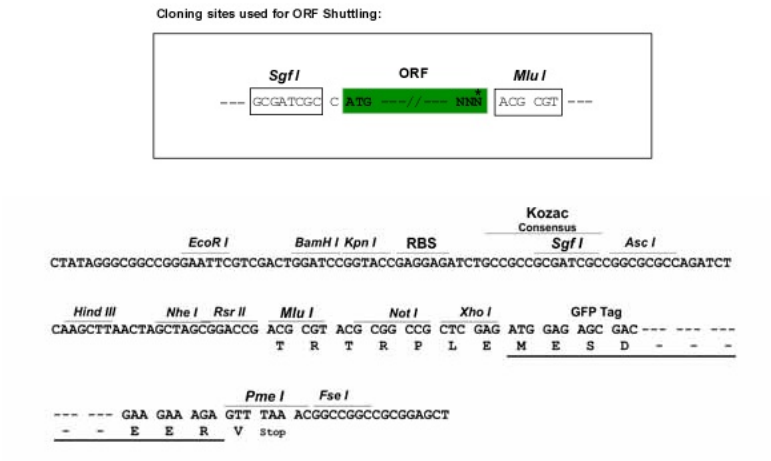
>RG232730 representing NM_001261820
Red=Cloning site Green=Tags(s)

MNCDYYMEEKVLPPSSLEGKVKETVHNAFWDHLKEQLSATPPDFSCALELLKEIKEILLSLLLPRQNRLR
IEIEEALDMDLLKQEAEHGALKVLYLSKYVLNMMALLCAPVRDEAVQKLENITDPVWLLRGIFQVLGRMK
MDMVNYTIQSLQPHLQEHSIQYERAKFQELLNKQPSLLNHTTKWLTQAAGDLTMSPPTCPDTSDSSSVAG
PSPNEAANNPEPLSPTMVLCQGFLNLLLWDLENEEFPETLLMDRTRLQELKSQLHQLTVMASVLLVASSF
SGSVLFGSPQFVDKLKRITKSLLEDFHSRPEEAILTVSEQVSQEIHQSLKNMGLVALSSDNTASLMGQLQ
NIAKKENCVCSVIDQRIHLFLKCCLVLGVQRSLLDLPGGLTLIEAELAELGQKFVNLTHHNQQVFGPYYT
EILKTLISPAQALETKVESV

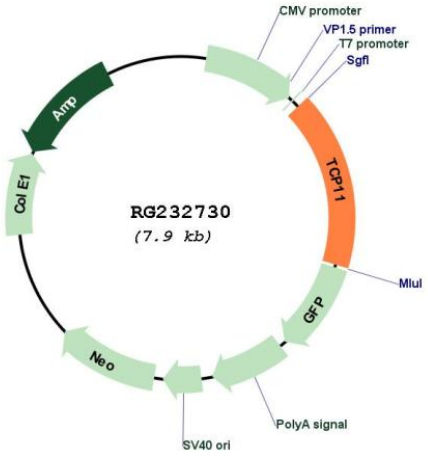
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001261820

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ORF Size:	1320 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_001261820.1, NP_001248749.1
RefSeq Size:	2147 bp
RefSeq ORF:	1323 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]

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