

Product datasheet for **RR211081**

Tcea2 (NM_057098) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcea2 (NM_057098) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcea2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR211081 representing NM_057098 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAAGGAGGAGGAGATTGCTCGTATCGCCCGGAGGCTGGACAAAATGGTGACCAGGAAGAACGCGG
AGGGAGCCATGGATTTGCTGCGGGAGCTGAAGAATATGCCTATTACATTGCACTTGCTCCAGTCCACCCG
TGTTGGGATGCTGTCAACGCTCTGCGGAAGCAGAGTTCAGACGAGGAGCTCATTGCACTTGCCAAGTCC
CTCATCAAGTCCCTGGAAGAAGCTCTGGATGTTTCTGATGGCAAATCCAGGGATCAAGGGAGGGGCACAC
CTTTGCCTACATCGTCTCAAAGGATGCCTCAGGACTACGGATCTCAGCTGCAAGAAACAGACCCACC
TAGGACCTCATCCACTCCGAGGATCACCACATTTCCCAAGTGCCATCACCTGTGATGTGTGCGAAAC
AAATGTCGTGAGATGCTGACTTTGGCCCTGCAAAGTACCACGACCACGTGGCTGTTGGTGTGAGCTGTG
AGCATCTGTCTCAGATCGAGGAGTGCATCTTCTGGATGTGGGAAACACTGACATGAAGTACAAGAA
CCGTGTTGCGAGCCGAATCTCTAACCTGAAAGATGCCAAGAACCCTGGCCTACGCCGGAATGTGTTGTG
GGTGCCATTACACCCAGCAGATAGCTGTGATGACATCAGAGGAGATGGCCAGTGACGAGCTGAAGGAGA
TCCGCAAGGCTATGACCAAGGAGGCCATCCGAGAGCACCAGATGGCCCGTACAGGTGGCACACAGACCGA
CCTGTTACCTGCAACAAGTGCAGGAAGAAGAACTGCACCTACACGCAGGTGCAGACCCGTAGCTCTGAT
GAGCCCATGACCACCTATGTTGTCTGCAATGAGTGTGGGAATCGATGGAAGTTCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211081 representing NM_057098
 Red=Cloning site Green=Tags(s)

MGKEEEIARIARLDKMVTRKNAEGAMDLLRELKNMPITLHLLQSTRVGMVSNALRKQSSDEELIALAKS
 LIKSWKKLLDVS DGKSRDQGRGTPPTSSSKDASGTTDLSCKKPDPPTSSPTPRITTFPQVITCDAVRN
 KCREMLTLALQTDHHDVAVGVSCHELSSQIEECIFLDVGNITDMKYKNRVRSRISNLKDAKNPGLRRNVLC
 GAITPQQIAVMTSEEMASDELKEIRKAMTKEAIREHQMARTGGTQTDLFTCNKCRKKNCTYTQVQTRSSD
 EPMTTYVVCNECGNRWKFC

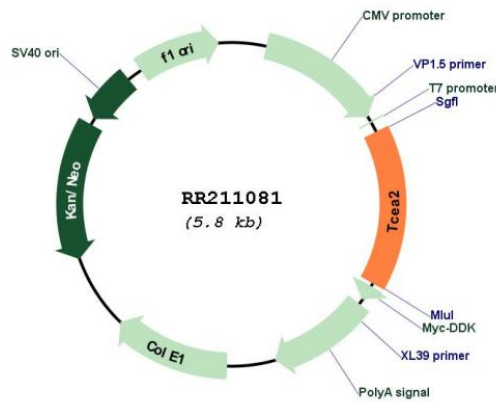
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_057098

ORF Size:	897 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_057098.1 , NP_476439.1
RefSeq Size:	1151 bp
RefSeq ORF:	900 bp
Locus ID:	29575
UniProt ID:	Q63799
Cytogenetics:	3q43
MW:	33.5 kDa
Gene Summary:	SII class transcription elongation factor; releases RNA polmerase II ternary complexes from transcriptional arrest at arresting sites; necessary for RNA polymerase II transcription elongation [RGD, Feb 2006]