

Product datasheet for **RC237033**

TSSC4 (NM_001297661) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSSC4 (NM_001297661) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TSSC4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237033 representing NM_001297661 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTGAGGCAGGAACAGGCCTCCTCCAGCCACGGTGCAGCCATTCCATCTGAGAGGCATGAGCTCCA
CCTTCTCCAGCGCAGCCGTGACATCTTTGACTGCCTGGAGGGGCGCCAGACGGGCTCCATCCTCTGT
GGCCACACCAGCATGAGTGACAACGGAGGCTCAAGCGCCCCAGCGCCCTCAGGCCGGTCTCCAGTG
GAAGGCCTGGGCAGGGCCATCGGAGCCCTGCCTACCAAGGGTGCCTCCGGTCCCCGACTACGTGGCAC
ACCCCGAGCGCTGGACCAAGTACAGCCTGGAAGATGTGACCGAGGTCAGCGAGCAGAGCAATCAGGCCAC
CGCCCTGGCCTTCTGGGCTCCAGAGCCTGGCTGCCCCACTGACTGCGTGTCTCTTCAACCAGGAT
CCCTCCAGCTGTGGGAGGGGAGGGTCACTTCCACAAACCAGTCCGAGGGGTCGAAGCCAGACACGAGA
GGAAGAGGGTCTGGGAAGGTGGGAGAGCCAGGCAGGGGCGCCTTGGGAATCTGCCACAGACAGGGG
CGAGGGCCCTGTGGAGCTGGCCATCTGGCCGGGCGGGAGCCAGAGGCTGAGGAGTGGGCAGCCAC
CATGGAGGCTGCAGGAGGTGGAGCACTGTGAGGCTGTCCACAGTGGTCTGTGCCAGTCTCCCGC
CGGTGAAACTGTTGGCTCCATGGCAGCAGGAAGCGGAGTCGAGACCACTTCCGGAACAAGAGCAGCAG
CCCCGAGGACCCAGGTGCTGAGGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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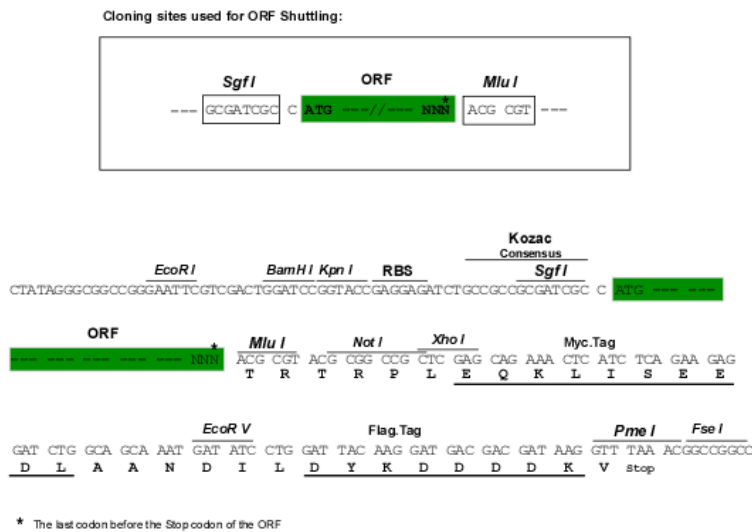
Protein Sequence: >RC237033 representing NM_001297661
Red=Cloning site Green=Tags(s)

MAEAGTGLLPATVQPFFHLRGMSSFTFSQRSRDIFDCLEGAARRAPSSVAHTSMSDNGGFKRPLAPSGRSPV
 EGLGRAHRSPASPRVPPVPDYVAHPERWTKYSLEDVTEVSEQSNQATALAFLGSQSLAAPTDCVSSFNQD
 PSSCGEGRVIFTKPVRGVEARHERKRVLGKVGEPGRGGLGNPATDRGEGPVELAHLAGPGSPAEAEWGS
 HGGLQEVEALSGSVHSGSVPLPPVETVGFHGSRRKRSRDHFRNKSSSPEDPGAEV

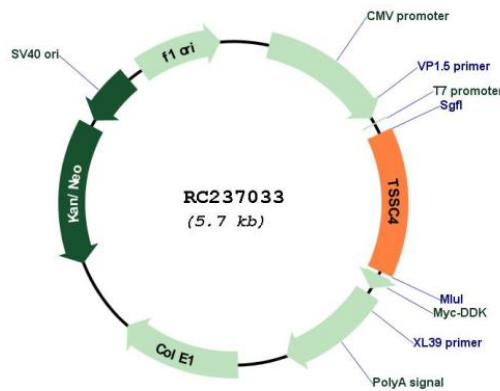
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001297661

ORF Size: 795 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_001297661.2
RefSeq Size:	1557 bp
RefSeq ORF:	798 bp
Locus ID:	10078
UniProt ID:	Q9Y5U2
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome
MW:	28.4 kDa
Gene Summary:	This gene is one of several tumor-suppressing subtransferable fragments located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene is located among several imprinted genes; however, this gene, as well as the pan-hematopoietic expression gene (PHEMX), escapes imprinting. This gene may play a role in malignancies and disease that involve this region. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]