

Product datasheet for **RG202870**

TSSC4 (NM_005706) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSSC4 (NM_005706) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TSSC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202870 representing NM_005706 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGCAGGAACAGGTGAGCCGTCCCCAGCGTGGAGGGCGAACACGGGACGGAGTATGACACGC
TGCCTCCGACACAGTCTCCCTCAGTGACTCGGACTCTGACCTCAGCTTGCCCGGTGGTGTGAAGTGA
AGCACTGTCCCGATGGGGCTGCCTGGGGAGGAGGATTCAGGTCCTGATGAGCCGCCCTCACCCCGTCA
GGCCTCCTCCAGCCACGGTGCAGCCATTCCATCTGAGAGGCATGAGCTCCACCTTCTCCAGCGCAGCC
GTGACATCTTTGACTGCCTGGAGGGGGCGGCAGACGGGCTCCATCCTCTGTGGCCACACCAGCATGAG
TGACAACGGAGGCTTCAAGCGGCCCTAGCGCCCTCAGGCCGGTCTCCAGTGGAAGGCCTGGGCAGGGCC
CATCGGAGCCCTGCCTACCAAGGGTGCCTCCGGTCCCCGACTACGTGGCACACCCCGAGCGCTGGACCA
AGTACAGCCTGGAAGATGTGACCGAGGTCAGCGAGCAGAGCAATCAGGCCACCGCCCTGGCCTTCTGGG
CTCCCAGAGCCTGGCTGCCCCACTGACTGCGTGTCTCCTTCAACCAGGATCCCTCCAGCTGTGGGGAG
GGGAGGGTCACTTACCAAACAGTCCGAGGGGTGGAAGCCAGACAGAGGAAGAGGGTCTGGGGA
AGGTGGGAGAGCCAGGCAGGGGGCGCCTTGGGAATCCTGCCACAGACAGGGGCGAGGGCCCTGTGGAGCT
GGCCATCTGGCCGGCCCGGGAGCCAGAGGCTGAGGAGTGGGGCAGCCCCATGGAGGCTGCAGGAG
GTGGAGGCACTGTCAAGGTCTGTCCACAGTGGGTCTGTGCCAGGCTCCCGCCGGTGAAACTGTTGGCT
TCCATGGCAGCAGGAAGCGGAGTCGAGACCACTCCGGAACAAGAGCAGCAGCCCCGAGGACCCAGGTGC
TGAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202870 representing NM_005706
 Red=Cloning site Green=Tags(s)

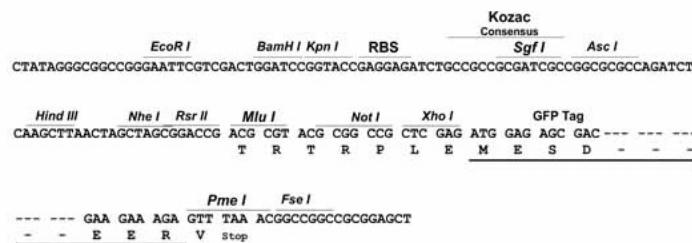
MAEAGTGEPSPSVEGEHGTEYDTLPSDTVLSLSDSDSLPLGGAEVEALSPMGLPGEEDSGPDEPPSPPS
 GLLPATVQPFHLRGMSSFTSQRSRDIFDCLEGAARRAPSSVAHTSMSDNGGFKRPLAPSGRSPVEGLGRA
 HRSPASPRVPPVPDYVAHPERWTKYSLEDVTEVSEQSNQATALAFLGSQSLAAPTDCVSSFNQDPSSCGE
 GRVIFTKPVRGVEARHERKRVLGKVGEPGRGGLGNPATDRGEGPVELAHLAGPGSPAEAEWGSPhGGLQE
 VEALSGSVHSGSVPLPPVETVGFHGSRKRSRDHFRNKSSSPEDPGAEV

TRTRPLE - GFP Tag - V

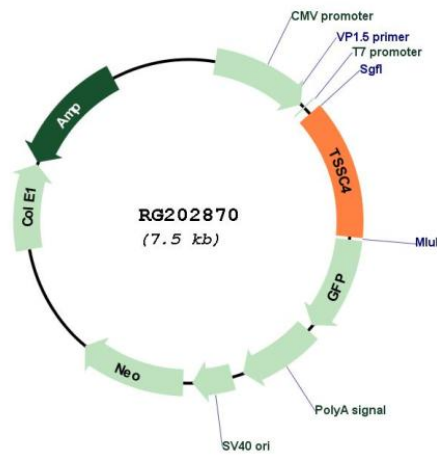
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_005706

ORF Size: 987 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_005706.2 , NP_005697.2
RefSeq Size:	1443 bp
RefSeq ORF:	990 bp
Locus ID:	10078
UniProt ID:	Q9Y5U2
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome
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]