

Product datasheet for **SC334927**

TSSC4 (NM_001297661) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TSSC4 (NM_001297661) Human Untagged Clone
Tag:	Tag Free
Symbol:	TSSC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001297661, the custom clone sequence may differ by one or more nucleotides

ATGGCTGAGGCAGGAACAGGCCTCCTCCAGCCACGGTGACGCCATTCCATCTGAGAGGCATGAGCTCCA
 CTTTCTCCAGCGCAGCCGTGACATCTTTGACTGCCTGGAGGGGGCGGCCAGACGGGCTCCATCCTCTGT
 GGCCACACCAGCATGAGTGACAACGGAGGCTTCAAGCGGCCCTAGCGCCCTCAGGCCGGTCTCCAGTG
 GAAGGCCTGGGCAGGGCCATCGGAGCCCTGCCTACCAAGGGTGCCTCCGGTCCCCGACTACGTGGCAC
 ACCCCGAGCGCTGGACCAAGTACAGCCTGGAAGATGTGACCGAGGTCAGCGAGCAGAGCAATCAGGCCAC
 CGCCCTGGCCTTCTGGGCTCCAGAGCCTGGCTGCCCCCACTGACTGCGTGTCTCTTCAACCAGGAT
 CCTCCAGCTGTGGGAGGGGAGGGTCATCTTCACCAAAACCAGTCCGAGGGGTGGAAGCCAGACACGAGA
 GGAAGAGGGTCTGGGGAAGGTGGGAGAGCCAGGCAGGGCGGCCCTTGGGAATCCTGCCACAGACAGGGG
 CGAGGGCCCTGTGGAGCTGGCCCATCTGGCCGGGCCCGGAGCCAGAGGCTGAGGAGTGGGGCAGCCAC
 CATGGAGGCTGCAGGAGGTGGAGGCACTGTGAGGTCTGTCCACAGTGGGTCTGTGCCAGGTCTCCCGC
 CGGTGGAACTGTTGGCTTCCATGGCAGCAGGAAGCGGAGTCGAGACCACTTCCGGAACAAGAGCAGCAG
 CCCCAGGACCCAGGTGCTGAGGCTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001297661
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).


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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_001297661.1](#), [NP_001284590.1](#)

RefSeq Size: 1557 bp

RefSeq ORF: 798 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]
 Transcript Variant: This variant (5) differs in the 5' UTR and lacks an alternate in-frame segment compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.