

Product datasheet for **RN203513**

Tsc2 (NM_012680) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc2 (NM_012680) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tsc2
Synonyms:	Rc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN203513 representing NM_012680 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAACCACTAGCAAAGATTCAGGTTTGAAGGAGAAGTTCAAGATACTATTAGGACTGGAAACGT
CAAGGCCAAATCCTAGGTGTGCAGAAGGCAAACAGACGGAGTTTATCATCACAGCGGAAATCTTGAGAGA
ACTGAGTGGTGAATGCGGCCTCAACAATCGAATCCGGATGATAGGGCAGATCTGTGATGTGGCAAAAAC
AAGAACTTGAAGAGCATGCAGTGGAGGCACTTTGGAAGGCTGTCTCAGACTTGCTACAGCCAGAGCGGC
CACCGGAGGCCGACATGCAGTTCTGGCCTTGTGAAGGCCATTGTGCAGGGACAGGGTGATCGTTTGGG
GGTTCTCCGAGCCCTCTCTTCAAAGTGATCAAGGACTATCCTTCCAACGAAGACCTCCATGAAAGGCTA
GAGTTTTTAAGGCCCTCACAGACAATGGAAGGCATATTACCTACTTGAAGAAGAACTGGCAGAGTTTG
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TCCTCTGTGGACATCGAGGTGCCTTGAAGTCTGGATGCTGTGGTCTGCTACAACCTGCCTGCCTGCTG
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ACCTGGACAGCCCGAACTCAGGACATTGTCCATGACCTGCTGACCACTGTGGAGGAGCTGTGTGACCA
GAACGAGTTCACGGATCGAAGAAAGATACTATGAAGTGGTGGAGAGCTATGCAGACCAGAGCCCTGAA
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CGTCTGTCTTCTGCTGCTCCTCATCAACAGGCAAGTCTACGAGGAGGAGCTGATTAACCTCGTGGTGCATC
TCACAGCTCTCCACATCCCCGAGGATAAAGACCATCAGGTTTCGAAAGCTGGCTACCCAGCTGCTGGTGG



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ACCTGGCAGAGGGCTGCCACACCCACCACTTCAACAGTCTGTTGGACATCATTGAAAAGGTGATGGCTCG
 CTCCTTTCTCCACCCCTGGAGCTGGAGGAAAGGGATCTGGCTGTGTACTCGGCCTCCCTGGAGGATGTG
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 AAGGACAGCTGCACAGGAGCGTTTCTGGGCAGACTCGGCCGTGGTCTTGGAGGAGGAAGTCCAGGAGA
 GGCTCATGTGCCAGTGGAGCCCCCGAATTGGAGGACTTTGAGGCAGCATTAGGTACAGACAGGCACTGC
 CAGCGGCTGACGCTACAGCAGGTCTTCTCAGCATCTAGCCAGGAAGAAAAGTCCCCTTGGAGGAGC
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 CTTCCAACCTCACAGCCTTTGAGCAAGTCTAGCTCTTCTCCTGAGTTACAGACCTTACAGGACATCCTT
 GGAGACCTAGGGACAAGACTGACATTGGACGGCTGAGTCTGAGGCTAAGGTCCGATCCCAGTCCGGGA
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 TATCAAATGAGCATGGCTCTTATAGGTACACAGAGTTTCTGACAGGCTGGTTCGGCTTATTGAGCTGAA
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 AGCACCCTGTGACAAGAACCGGCACCTGGGCAATGACTTTGTTTCTATCATCTACAATGATTCTGGTGA
 GGACTTCAAGCTGGGCACCATTAAGGGCCAGTTCAACTTCGTCCATGTGATCATCACACCCTGGACTAT
 AAATGCAACCTGTTGACCCTGCAGTGCAGGAAAGACATGGAGGGCCTTGTGGACACCAGTGTGGCCAAGA
 TTGTGTCTGACCGCAACCTGTCTTTGTGGCCGACAGATGGCCCTGCATGCAAAATAGGCTCACAGGT

ACACCACAGGCGATCCAACCCACGGACATCTATCCCTCCAAGTGGATCGCAAGACTCCGCCACATTAAG
CGTCTCCGTCAGCGGATCCGTGAAGAAGTGCCTATTCAAACCCAAGCTTGCCTCTGATGCACCCTCCAG
CCCATACCAAAGTCCCAGCTCAAGCCCCTACGGAGGCTACACCCACCTACGAGACAGGCCAGCGGAAACG
CCTCATTCTCTGTGGATGACTTACAGAGTTTGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012680
Insert Size:	5430 bp
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).
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_012680.3 , NP_036812.2
RefSeq Size:	5653 bp
RefSeq ORF:	5430 bp
Locus ID:	24855
UniProt ID:	P49816
Cytogenetics:	10q12
Gene Summary:	acts as a tumor suppressor; may play a role in cell cycle regulation; acute phase response, and negative regulation of cell proliferation [RGD, Feb 2006]