

Product datasheet for MC229667

Tsc2 (NM_001286713) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc2 (NM_001286713) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tsc2
Synonyms:	Nafld; Tcs2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229667 representing NM_001286713 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAAACCAACAAGCAAAGATTCGGCTTGAAGGAGAAGTTCAGATACTGTTGGGATTGGAAACAT
CGAGGCCAAATCCAGGTGTGCAGAAGGCAAACAGACTGAGTTTATCATCACATCGGAAATCTTGAGAGA
ACTGAGTGGTGAATGCGGCTCAACAATCGCATCCGAATGATAGGGCAGATCTGTGATGTGGCAAAACT
AAGAAGCTTGAGGAGCATGCAGTGGAGGCACTTTGGAAGGCTGTCTCAGACTTGCTACAGCCAGAGCGGC
CACCAGAGGCCCGCATGCAGTTCTCACCTTATTGAAGGCCATTGTACAGGGACAGGGTGATCGTTTGGG
AGTTCTCAGAGCCCTCTCTTCAAAGTGATCAAGGACTACCCCTCCAATGAAGACCTCCATGAAAGGCTA
GAAGTTTTTAAGGCCCTCACAGACAATGGGAGGCACATTACCTATTTGGAAGAAGAACTGGCAGAGTTTG
TCCTGCAGTGGATGGATGTTGGCTTGCCTCAGAATTCCTTCTGGTACTGTCAACCTGGTCAAGTTCAA
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GAACGAGTTCATGGCTCGCAGGAAAGATACTATGAAGTGGTGGAGAGCTATGCAGACCAGAGACCTGAA
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TCGCAGCTCTCCACATTCGAGGATAAGGACCATCAGGTCCGAAAGCTGGCTACTCAGCTGCTGGTGG



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ACCTGGCAGAGGGGTGCCACACCCACCCTTCAACAGTCTGCTGGACATCATTGAAAAGGTGATGGCGCG
CTCACTCTCTCCACCCCGGAGCTGGAAGAAAGGGACCTGGCCATGCACTCGGCCTCCCTGGAGGACGTG
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TGCTGTGCGGCTCGGCTACCTACCTACTCCCTGCTCTCCGTGCTCCTGTGAGTGTGTTGAAGCAGGAG
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TCCTGGATGGGGAAGCAGCTACCTGGTACGCTACGGGTGAAGAGAGCCGATCACAGTCCCACCTGAAGG
TCCTCTGCCTTCCAGTTCTCCCCGCTCCCCAGTGGCCTCCGGCCCCGAGGCTATACCATCTCTGATTCC
GCTCCATCACGAAGGGGAAAGAGGGTAGAAAGGGATAACTTCAAGAGCAGAGCTGCGGCCTCCAGTGCTG
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GTCCAATAAGCCCATCTATTGCCCAATGAGTCTTTGAACGGTCACTACAGCTGCTTGACCAGATTCCA
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TGTCAAATGAGCATGGCTCTTACAGGTACACGGAGTTTCTGACAGGCTGGTTCGGCTTATTGAGCTCAA
GGACTGCCAACAGACAAGGTGACTTAGGTGGACTGGATGTATGTGGCAGGATGGACAGTTACCTAC
TGCTGGCATGATGACATCATGCAAGCTGTTTTCCACATTGCCACCTGATGCCACCAAGGATGTGGACA
AGCACCCTGTGACAAGAACCGGCACCTGGGCAATGACTTTGTTTCTATCATCTACAATGATTCTGGTGA
GGACTTCAAAGTGGGACCATTAAGGGCCAGTTCAACTTTGTCCATGTGATCATCACACCCTGGACTAC
AAGTGCAACCTATTGACCCTGCAGTGCAGGAAAGACATGGAAGGCCTCGTGGACACCAGTGTGGCCAAGA
TTGTGTCTGACCGCAACCTGTCTTTGTGGCCGACAGATGGCCCTGCATGCAAAATAGGCTCACAGGT

ACACCACAGCCGATCCAACCCCACTGACATCTATCCCTCCAAGTGGATCGCAAGACTCCGCCACATTAAG
CGTCTCCGCCAGAGGATCCGTGAAGAGGTGCACTATTCCAACCCAAGCTTGCCTCTGATGCACCCTCCAG
CCCACACCAAAGCCCCAGCTCAAGCCCCTGAGGCTACACCCACCTATGAAACAGGCCAGCGGAAGCGCCT
CATTTCTCCGTGGATGACTTCACAGAGTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286713
Insert Size:	5427 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001286713.1, NP_001273642.1</u>
RefSeq Size:	6335 bp
RefSeq ORF:	5427 bp
Locus ID:	22084
Cytogenetics:	17 12.41 cM