

Product datasheet for MC229658

Tsc2 (NM_001286718) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tsc2 (NM_001286718) 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: >MC229658 representing NM_001286718
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAACCAACAAGCAAAGATTCGGCTTGAAGGAGAAGTTCAAGATACTGTTGGGATTGGAAACAT
 CGAGGCCAAATCCAGGTGTGCAGAAGGCAAACAGACTGAGTTTATCATCACATCGGAAATCTTGAGAGA
 ACTGAGTGGTGAATGCGGCTCAACAATCGCATCCGAATGATAGGGCAGATCTGTGATGTGGCAAAAAC
 AAGAAGCTTGAGGAGCATGCAGTGGAGGCACTTTGGAAGGCTGTCTCAGACTTGCTACAGCCAGAGCGGC
 CACCAGAGGCCCGGCATGCAGTTCTCACCTTATTGAAGGCCATTGTACAGGGACAGGGTGATCGTTTGGG
 AGTTCTCAGAGCCCTCTCTTCAAAGTGATCAAGGACTACCCCTCCAATGAAGACCTCCATGAAAGGCTA
 GAAGTTTTTAAGGCCCTCACAGACAATGGGAGGCACATTACCTATTTGGAAGAAGAACTGGCAGAGTTTG
 TCCTGCAGTGGATGGATGTTGGCTTGCCTCAGAATTCCTTCTGGTACTGTCAACCTGGTCAAGTTCAA
 CAGCTGTTACCTTGACGAATACATTGCATCAATGGTTCACATGATTTGTCTGCTATGCATCCGGACAGTG
 TCCTCTGTGGACATTGAGGTGCCTTGAAGTGTGGATGCTGTGGTCTGCTACAACCTGTTACCGCCG
 AGAGCCTGCCTCTGTTTATTATCACCTGTGCCGACCATCAATGTCAAGGAGCTGTGTGAGCCTTGCTG
 GAAGTTGATGCGTAACCTTCTGGGCACCCACCTGGGCCACAGCGCCATCTACAACATGTGCCGATCATG
 GAGGACAGATCCTACATGGAAGATGCCCACTGCTGAGAGGAGCTGTGTTCTTTGTAGGGATGGCACTCT
 GGGGAGCTCACCGGCTCTACTCTCTCAAGAACTCCCCACATCTGTGCTGCCGTCTTTTTATGAGGCTAT
 GACCTGTCCCAATGAGGTGGTGCATATGAGATTGTTCTGTCCATAACAAGACTCATCAAGAAGTATAGG
 AAGGAGCTCCAGGCTGTGACATGGGATATTCTGCTGGACATCATTGAACGACTACTTCAGCAACTCCAGA
 ACCTGGACAGCCCGAACTCAAGACCATCGTCCATGACCTGCTGACCACTGTGGAGGAGCTATGTGACCA
 GAACGAGTTCATGGCTCGCAGGAAAGATACTATGAAGTGGTGGAGAGCTATGCAGACCAGAGACCTGAA
 TCCTCTCTTAACTTGATATCTACAGAGCCAGTCCATCCACCCTGCCAAGGATGGCTGGATCCAGA
 ACTTGAGTGTGATGGAGAGGTTCTTCAAGGAATGAGTGCCGACGCGCGTGCCGATCAAGGTGTTGGA
 TGTTCTGTCTTCTGCTGCTGATCAACAGGCAGTTCTATGAGGAGGAGCTGATTAACCTCGTGGTGCATC
 TCGCAGCTCTCCACATTCGAGGATAAGGACCATCAGGTCCGAAAGCTGGCTACTCAGCTGCTGGTGG



[View online >](#)

ACCTGGCAGAGGGGTGCCACACCCACCCTTCAACAGTCTGCTGGACATCATTGAAAAGGTGATGGCGCG
CTCACTCTCTCCACCCCGGAGCTGGAAGAAAGGGACCTGGCCATGCACTCGGCCTCCCTGGAGGACGTG
AAGACCGCGTCTGGGGCTCCTGGTACCTTCAGACCAAGCTCTACACCTTGCTGCCAGCCACGCCA
CTCGAGTGTATGAGAGCCTCATTAGTCACATCCAGCTCCATTACAAGCACGGCTACTCCCTGCCATTGC
TAGCAGCATCCGACTACAGGCCCTTGGACTTCTGCTGCTACTGCGGGTGACTCGCTGCATCGACTGGGC
CTGCCAACAAAGGATGGGGTCTGAGATTCAGCCCTTACTGCCTCTGTGACTGCACTGGAATGGATAGAG
CCTCAGAGAAGAAAGCCAGTGGGCCCTTCCACTCCAAGTGGGCCCTAGCCCTGTGCCATAGGGCC
TGCTGTGCGGCTCGGCTACCTACCTACTCCCTGCTCTTCCGTGCTGTTGCAGTGTGTTGAAGCAGGAG
AGCGACTGGAAGGTGCTGAAGCTGGTGGCTCAGCAGGCTGCCGGAGTCACTGCGCTACAAAGTCTCATCT
TCACCTCCCCTGCAGTGTGACAGCAGTGTCTTCTGCCCTCTGCTCCATGCTTTTCAAGTCCAAAGACCT
TGAGCGGCTCCGAGGTACCCAGAAAGGCTTCTCGAGAAGTGCCTGCACTTGCTGTGGTCCCCTGCTA
ACAGCATTAAATCTTATCACAATATTTGACAAGACCAGACAGCGTGAGATGGTGTACTGCTGGAAC
AAGGCCTATCTACCGCTGCGCCAGCCAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
CATCATCATCAAGGCGCTTCTGTCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
ATCCCGCTCCTGGAGTTCCTGTCTACTTTGGCCAGGCTGCCACCTCTACAGGAAGTGGTGGTGGTGGT
AGTATGCCAGCGTGTGGCATCTCCTTGGCATACACCAACCCCTCAAGTTCACACAGTACATTGTGTG
TCTGGCTCACCACGTATAGCCATGTGGTTCATCAGGTGCCGACTGCCCTTTCGGAAGGATTTCTGCTCC
TATATCACTAAGGGTTTGCCTTCCAATGTCTCTCTGCTTTTGGATGATACCCCTGAGAAGGACAGTTTCA
GAGCAGGAGCACCAGTCTTAATGAGAGACCCAAAAGAATACAGACATCCCTTACGAGCGCCAGCCTGGG
GTCTGCGGATGAGAACTATAGGCCAGGCTGATGACAAGTGAAGAATCTCCACTTGGAGCTCACAGAA
ACATGTCTGGACATGATGGCCGATATGTGTTCTCAATTTCACTGCAGTCCCAAGAGGTTCCCTGTGG
GAGAGTTCCTCCTGGCAGGGGTAGGACCAAACTGGCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
AAGTGTGGAACTGGTACACGGTCTGCTGGCCCTGGACTTGGGGACCTGCAGGTTGGTGGTGGTGGT
AGCTCTGATCCTAGCACACATGTGAGGCAGACAAGGAAGCACCAGCAAACTGGAGTCCCAAGGCTGGGC
AGCAGGTGCTCCCTGGGGCCGGGACCGGTCCTGCTCAGTGTGAGGGGGCCATGGCCTTCGAGTGGTGT
CCTGGATACTTACAGTCCCTATCCCGAGTGGCTCTGCTTCTTGGGACCACAGACGGCGGTGGCAGCG
AAGCCCGAGAAGCCCTGCAGGAGCCAGCTTCAACAGCAGAGAAGACGAATCTGGCAGCCTATGTGC
CTTTGTTAACCCAGGGCTGGGCAGAAATCTTAGTCCGACAGCCACAGGAAACACCAGTGGCTGATGAG
CTTGGAGAACCCTCAGCCCTTCTCCTCAGACATCAACAACATGCCCTGCAAGAGCTGTCCAATGCC
CTTATGGTGTGTAACGTTTCAAGGAGCACCAGGACACGGCCCTGTACAAGTCAATGTGAGTGGCAGCGG
CTGGCACCGCCAAGCCTCTACTCTCCACGCTTAATACAGACTCAGCCATGGTCTTGGAGGAGGAAG
TCCAGGAGAGACTCAGGTGCCAGTGGAGCCCCGAAATGGAGGATTTGAGGCGCGTTAGGTACAGAC
AGGCACTGCCAGCGCCTGACACCTACAGCCGGTCACTCCTCAGCATCTAGCCAGGAAGAAAAGTCCCAT
TGGAGGAGCTTGCTGCAGGGGTATCCCATAGAGCGGGCATCTCCTCTGAGGGGGCTCGGCCTGCCGT
GGACCTCTCCTTCAACCCCTCACAGCCTTTGAGCAAGTCTAGCTCTTCTCCGGAGTTGCAGACCTTACAG
GACATCCTTGGAGACCTAGGGGACAAGATTGATATTGGACGGCTGAGTCTGAGGCTAAGTCCGGTCCC
AGTCAGGATCCTGGATGGGGAAGCAGTACCTGGTCACTACGGGTGAAGAGAGCCGTATCACAGTCCC
ACCTGAAGTCTCTGCCTTCCAGTCTCCCGCTCCCCAGTGGCCTCCGGCCCCGAGGCTATACCATC
TCTGATTCCGCTCCATCACGAAGGGAAAGAGGGTAAAGGGATAACTCAAGAGCAGAGCTCGGCCT
CCAGTGTGAGAAGGTGCCAGGCATCAACCCTAGCTTTGTGTTCCCTACAGCTCTACCATTGCCCCTTTT
TGGTGATGAGTCCAATAAGCCATCCTATTGCCAATGAGTCTTTGAACGGTCACTACAGCTGCTTGC
CAGATTCCATCCTATGACACTACAAGATTGCTGTCTGTATGTGGGAGAAGGCCAGAGCAGAGTGGC
TGGCCATCCTGTCAAATGAGCATGGCTCTTACAGGTACACGGAGTTTCTGACAGGCTGGTGGCTTAT
TGAGCTCAAGGACTGCCAACCAGACAAGGTGACTTAGGTGGACTGGATGTATGTGGCAGGATGGACAG
TTCACCTACTGCTGGCATGATGACATCATGCAAGCTGTTTTCCACATTGCCACCTGATGCCACCAAGG
ATGTGGACAAGCACCCTGTGACAAGAAAGCCACCTGGGCAATGACTTTGTTTCTATCATCTACAATGA
TTCTGGTGGAGACTTCAAAGTGGCACCATTAAGGGCCAGTTCAACTTTGTCCATGTGATCATCACCCG
CTGGACTACAAGTGAACCTATTGACCCTGCAGTGCAGGAAGACATGGAAGGCCTCGTGGACACCAAGT
TGGCAAGATTGTGCTGACCGCAACCTGTCTTTGGGCCGACAGATGGCCCTGCATGCAAAATATGGC
CTCACAGGTACACCACAGCCGATCCAACCCACTGACATCTATCCCTCCAAGTGGATCGCAAGACTCCGC
CACATTAAGCGTCTCCGCCAGAGGATCCGTGAAGAGGTGCACTATTCCAACCAAGCTTGCTCTGATGC
ACCCTCCAGCCCACCAAAAGCCCGAGTCAAGCCCTGAGGCTACACCCACTATGAAACAGGCCAGCG

GAAGCGCCTCATTTCCTCCGTGGATGACTTCACAGAGTTTGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286718
Insert Size:	5226 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_001286718.1, NP_001273647.1</u>
RefSeq Size:	6134 bp
RefSeq ORF:	5226 bp
Locus ID:	22084
Cytogenetics:	17 12.41 cM