

Product datasheet for MC229659

Tsc2 (NM_001286716) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc2 (NM_001286716) 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:	>MC229659 representing NM_001286716 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAAACCAACAAGCAAAGATTCGGCTTGAAGGAGAAGTTCAAGATACTGTTGGGATTGGAAACAT
CGAGGCCAAATCCAGGTGTGCAGAAGGCAAACAGACTGAGTTTATCATCACATCGGAAATCTTGAGAGA
ACTGAGTGGTGAATGCGGCTCAACAATCGCATCCGAATGATAGGGCAGATCTGTGATGTGGCAAAACT
AAGAAGCTTGAGGAGCATGCAGTGGAGGCACTTTGGAAGGCTGTCTCAGACTTGCTACAGCCAGAGCGGC
CACCAGAGGCCCGCATGCGATTCTCACCTTATTGAAGGCCATTGTACAGGGACAGGGTGATCGTTTGGG
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GAAGTTTTTAAGGCCCTCACAGACAATGGGAGGCACATTACCTATTTGGAAGAAGAACTGGCAGAGTTTG
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GAGGACAGATCCTACATGGAAGATGCCCACTGCTGAGAGGAGCTGTGTTCTTTGTAGGGATGGCACTCT
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GAACGAGTTCATGGCTCGCAGGAAAGATACTATGAACTGGTGGAGAGCTATGCAGACCAGAGACCTGAA
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ACTTGCAGTTGTTGATGGAGAGGTTCTTCAAGAAATGAGTGCCGACGCGCGTGGCATCAAGGTGTTGGA
TGTTCTGTCTTCTGCTGCTGATCAACAGGCAAGTTCATGAGGAGGAGCTGATTAACCTCGTGGTGCATC
TCGCAGCTCTCCACATTCGAGGATAAGGACCATCAGGTCCGAAAGCTGGCTACTCAGCTGCTGGTGG



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ACCTGGCAGAGGGGTGCCACACCCACCCTTCAACAGTCTGCTGGACATCATTGAAAAGGTGATGGCGCG
 CTACTIONCTCCACCCCGGAGCTGGAAGAAAGGGACCTGGCCATGCACTCGGCCTCCCTGGAGGACGTG
 AAGACCGCGTCTGGGGCTCCTGGTACCTTCAGACCAAGCTACACCTTGCTGCCAGCCACGCCA
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 GAGCTTGGAGAACCCTCAGCCCTTCTCCTCAGACATCAACAACATGCCCTGCAAGAGCTGTCCAAT
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 GACAGGCACTGCCAGCGGCTGACACCTACAGCCGGTATCCTCAGCATCTAGCCAGGAAGAAAAGTCCC
 ATTTGGAGGAGCTTGTGCAAGGGGTATCCCCATTGAGCGGGCCATCTCCTCTGAGGGGGCTCGGCCTGC
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 CAGGACATCCTTGGAGACCTAGGGGACAAGATTGATATTGGACGGCTGAGTCTGAGGCTAAGGTCCGGT
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 TTTTGGTGTGAGTCCAATAAGCCATCCTATTGCCCAATGAGTCTTTGAACGGTCACTACAGCTGCTT
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 CAGTTCACCTACTGCTGGCATGATGACATCATGCAAGCTGTTTTCCACATTGCCACCCTGATGCCACCA
 AGGATGTGGACAAGCACCCTGTGACAAGAAACGGCACCTGGCAATGACTTTGTTTCTATCATCTACAA
 TGATTCTGGTGGAGACTTCAAATGGGCACCATTAAGGGCCAGTCAACTTTGTCCATGTGATCATCACA
 CCGCTGGACTACAAGTGAACCTATTGACCTGCAGTGCAGGAAAGACATGGAAGGCCTCGTGGACACCA
 GTGTGGCCAAGATTGTGTCTGACCGCAACCTGTCTTTGTGGCCCGACAGATGGCCCTGCATGCAATAT
 GGCTCACAGGTACACCACAGCCGATCCAACCCACTGACATCTATCCCTCCAAGTGGATCGCAAGACTC
 CGCCACATTAAGCGTCTCCGCCAGAGGATCCGTGAAGAGGTGCACTATTTCAAACCAAGCTTGCCTCTGA
 TGCACCTCCAGCCACACCAAAGCCCCAGCTCAAGCCCTGAGGCTACACCCACCTATGAAACAGGCCA

GCGGAAGCGCCTCATTTCTCCGTGGATGACTTCACAGAGTTTGTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286716
Insert Size:	5229 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_001286716.1, NP_001273645.1</u>
RefSeq Size:	6132 bp
RefSeq ORF:	5229 bp
Locus ID:	22084
Cytogenetics:	17 12.41 cM