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Product datasheet for MC229668

Tsc2 (NM_001286720) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsc2 (NM_001286720) 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:	>MC229668 representing NM_001286720 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCAAACCAACAAGCAAAGATTCCGGCTTGAAGGAGAAGTTCAAGATACTGTTGGGATTGGGAACAT CGAGGCCAAATCCCAGGTGTGCAGAAGGCAAACAGACTGAGTTTATCATCACATCGGAAATCTTGAGAGA ACTGAGTGGTGAATGCGGCCTCAACAATCGCATCCGAATGATAGGGCAGATCTGTGATGTGGCAAAAACT AAGAAGCTTGAGGAGCATGCAGTGGAGGCACTTTGGAAGGCTGTCTCAGACTTGCTACAGCCAGAGCGGC CACCAGAGGCCCGGCATGCAGTTCTCACCTTATTGAAGGCCATTGTACAGGGACAGGGTGATCGTTTGGG AGTTCTCAGAGCCCTCTTCTTCAAAGTGATCAAGGACTACCCCTCCAATGAAGACCTCCATGAAAGGCTA GAAGTTTTTAAGGCCCTCACAGACAATGGGAGGCACATTACCTATTTGGAAGAAGAACTGGCAGAGTTTG TCCTGCAGTGGATGGATGTTGGCTTGTCCTCAGAATTCCTTCTGGTACTTGTCAACCTGGTCAAGTTCAA CAGCTGTTACCTTGACGAATACATTGCATCAATGGTTCACATGATTTGTCTGCTATGCATCCGGACAGTG TCCTCTGTGGACATTGAGGTGTCCTTGCAAGTGCTGGATGCTGTGGTCTGCTACAACTGCTTACCAGCCG AGAGCCTGCCTCTGTTCATTATCACCCTGTGCCGCACCATCAATGTCAAGGAGCTGTGTGAGCCTTGCTG GAAGTTGATGCGTAACCTTCTGGGCACCCACCTGGGCCACAGCGCCATCTACAACATGTGCCGCATCATG GAGGACAGATCCTACATGGAAGATGCCCCACTGCTGAGAGGAGCTGTGTTCTTTGTAGGGATGGCACTCT GGGGAGCTCACCGGCTCTACTCTCTCAAGAACTCCCCCACATCTGTGCTGCCGTCTTTTTATGAGGCTAT GACCTGTCCCAATGAGGTGGTGTCATATGAGATTGTTCTGTCCATAACAAGACTCATCAAGAAGTATAGG AAGGAGCTCCAGGCTGTGACATGGGATATTCTGCTGGACATCATTGAACGACTACTTCAGCAACTCCAGA ACCTGGACAGCCCGGAACTCAAGACCATCGTCCATGACCTGCTGACCACTGTGGAGGAGCTATGTGACCA GAACGAGTTCCATGGCTCGCAGGAAAGATACTATGAACTGGTGGAGAGCTATGCAGACCAGAGACCTGAA TCCTCTCTCTTAAACTTGATATCCTACAGAGCCCAGTCCATCCACCCTGCCAAGGATGGCTGGATCCAGA ACTTGCAGTTGTTGATGGAGAGGTTCTTCAGGAATGAGTGCCGCAGCGCCGTGCGCATCAAGGTGTTGGA TGTTCTGTCCTTCGTGCTGCTGATCAACAGGCAGTTCTATGAGGAGGAGCTGATTAACTCGGTGGTCATC TCGCAGCTCTCCCACATTCCCGAGGATAAGGACCATCAGGTCCGAAAGCTGGCTACTCAGCTGCTGGTGG

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AGGCCAGCGGAAGCGCCTCATTTCCTCCGTGGATGACTTCACAGAGTTTGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286720

Insert Size: 5445 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:
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_001286720.1, NP_001273649.1

RefSeq Size: 6353 bp

RefSeq ORF: 5445 bp

Locus ID: 22084

Cytogenetics: 17 12.41 cM