

Product datasheet for MR225119

Tsc2 (NM_011647) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Tsc2 (NM_011647) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Tsc2
 Synonyms: Nafld; Tcs2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR225119 representing NM_011647
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

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 CGAGGCCAAATCCCAGGTGTGCAGAAGGCAAACAGACTGAGTTTATCATCACATCGGAAATCTTGAGAGA
 ACTGAGTGGTGAATGCGGCCTCAACAATCGCATCCGAATGATAGGGCAGATCTGTGATGTGGCAAAAAC
 AAGAAGCTTGAGGAGCATGCAGTGGAGGCACTTTGGAAGGCTGTCTCAGACTTGCTACAGCCAGAGCGGC
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TGCAGCTCTCCACATTCCCGAGGATAAGGACCATCAGGTCCGAAAGCTGGCTACTCAGCTGCTGGTGG
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ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR225119 representing NM_011647
 Red=Cloning site Green=Tags(s)

MAKPTSKDGLKEKFKILLGLGTSRPNRCAEGKQTEFIITSEILRELSGECGLNRRMIRMIQICDVAKT
 KKLEEHAVEALWKAVSDLLQPERPPEARHAVL TLLKAI VQGGDRLGVLRALFFKVIKDYPSNEDLHERL
 EVFKAL TDNGRHITYLEEELAEFVLQWMDVGLSSEFLLVLVNLVKFNVCYLDEYIASMVHMICLLCIRTV
 SSVDI EIVSLQVLDVAVVCYNCLPAESLPLFIITLCRTINVKELCEPCWKLNRNLLGTHLGSAIYNMCRIM
 EDRSYMEDAPLLRGAVFFVGMALWGAHRLYSLKNSPTSVLPSFYEAMTCPNEVVSYEIVLSITRLIKRYR
 KELQAVTDWILLDIERLLQQLQNLDSPELKTIVHDLLTTVEELCDQNEFHGSQERYEELVESYADQRPE
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 SQLSHIPEDKDHQVRKLATQLLVDLAEGCHTHHFNLLDIEKVMARSLSPPELEERDLAMHSASLEDV
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 LPNKDGVVRFSPYCLCDCMELDRASEKKASGPLSPPTGPPSPVPMGPAVRLGYLPYSLLFRVLLQCLKQE
 SDWKVLLKLVLSRLPESLRYKVLIFTSPCSVDQLSSALCSMLSAPKTLERLRTPEGF SRTDLHLAVVPVL
 TALISYHNYL DKTRQREMYCLEQGLIYRCASQCVALAICSVEMPDIIKALPVLVVKLTHISATASMA
 IPLLEFLSTLARLPHLYRNFAAEQYASVFAISLPYTNPSKFNQYIVCLAHVVIAMWFIRCRLPFRKDFVP
 YITKGLRSNVL SFDDTPEKDSFRARSTSLNERPKSLRIARAPKQGLNNSPPVKEFKESCAAEAFRCRSI
 SVSEHVRSRIQTSLSASLGSADENMAQADDNLKNLHLELTETCLDMMARYVFSNFTAVPKRSPVGEF
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 AKPPTLPRSN TDSAMVLEEGSPGETQVPVEPELEDFEALGDRHCQRPDTYSRSSASSSQEESHLEE
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 EKVPGINPSFVFLQLYHSPFFGDES NPKILLPNESFERSVQLLDQIPSYDTHKIAVLYVGEQSSSELAI
 LSNEHGSYRYTEFLTGLGRLIELKDCQPKVYLGGLDVCGEDGQFTYCW HDDIMQAVFHIA TLMP TKD VD
 KHRCDKRRHLGNDFVSI IYNDSGEDFKLGTIKGQFN FVHVII TPLDYKCNLLTLQCRKMEGLVDTSVAK
 IVSDRNLSFVARQMALHANMASQVHHSRSNPTDIYPSKWIARLRHIKRLRQRIREEVHYSNPSLPLMHPP
 AHTKAPAQAPEATPTYETGQRKRLISSVDDFTEFV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9101_g06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011647

ORF Size: 5355 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_011647.3](#), [NP_035777.2](#)

RefSeq Size: 6266 bp

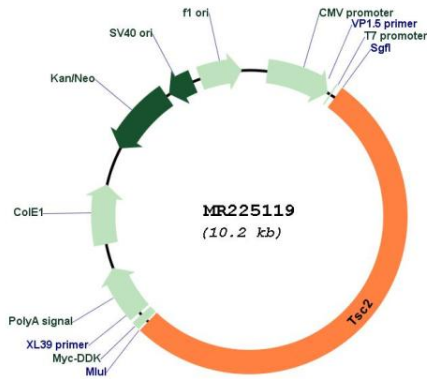
RefSeq ORF: 5358 bp

Locus ID: 22084

Cytogenetics: 17 12.41 cM

MW: 198.9 kDa

Product images:



Circular map for MR225119