

## Product datasheet for **MC204262**

### Slc27a5 (NM\_009512) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc27a5 (NM_009512) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc27a5
Synonyms:	FACVL3; FATP5; Vlacsr; VLCS-H2; VLCSH2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC013272  
 CCACGCGTCCGAAGGCAGGTAGTTAGGGCTTTGGAGCACTCATCAGAGCTAAGAGAGACTACACGCTCTC  
 ATCTACTTCAGAAAGAGCCAATGCCATGGGTATTTGGAAGAACTAACCTTACTGCTGTTGCTGCTCTG  
 CTGGTTGGCCTGGGGCAGCCCCATGGCCAGCAGCTATGGCTCTGGCCCTGCCTTGGTTCCTGGGAGACC  
 CCACATGCCTTGTGCTGCTTGGCTTGGCATTGCTGGGCAGACCCTGGATCAGCTCCTGGATGCCCACTG  
 GCTGAGCCTGGTAGGAGCAGCTTACCTTATTCCTATTGCCTCTACAGCCACCCCAAGGGCTACGCTGG  
 CTGCATAAAGATGTGGCTTTACCTTCAAGATGCTTTTTCTATGGCCTAAAGTTCAGGCGACGCCTTAACA  
 AACATCCTCCAGAGACCTTTGTGGATGCTTTAGAGCGGCAAGCACTGGCATGGCCTGACCCGGTGGCCTT  
 GGTGTGTACTGGGTCTGAGGGCTCCTCAATCACAATAGCCAGCTGGATGCCAGTCTGTGACGGCAGCA  
 TGGGTCTGAAAGCAAAGCTGAAGGATGCCGTAATCCAGAACACAAGAGATGCTGCTGCTATCTTAGTTC  
 TCCCGTCCAAGACCATTCTGCTTTGAGTGTGTTCTGGGGTTGGCCAAGTTGGGCTGCCCTGTGGCCTG  
 GATCAATCCACACAGCCGAGGGATGCCCTTGTACTCTGTACGAGCTCTGGGCCAGTGTGCTGATT  
 GTGGATCCAGACCTCCAGGAGAACCTGGAAGAAGTCTTCCCAAGCTGCTAGCTGAGAACATTCAGTCT  
 TCTACCTTGGCCACAGCTCACCCACCCGGGAGTAGAGGCTCTGGGAGCTTCCCTGGATGCTGCACCTC  
 TGACCCAGTACCTGCCAGCCTTCGAGCTACGATTAAGTGGAAATCTCCTGCCATATTCATCTTTACTTCA  
 GGGACCACTGGACTCCCAAAGCCAGCCATCTTATCACATGAGCGGTTCATACAAGTGAGCAACGTGCTGT  
 CCTTCTGTGGATGCAGAGCTGATGATGTGGTCTATGACGCTCTACCTCTGTACCATACGATAGGGCTTGT  
 CCTTGGATTCTTGGCTGCTTACAAGTTGGAGCCACCTGTGTCCTGGCCCCAAGTTCTCTGCCTCCCGA  
 TTCTGGGTGAGTGCCGGCAGCATGGCGTAACAGTGATCTTGTATGTGGGTGAAATCCTGCGGTAAGTGT  
 GTAACGTCCTTGAGCAACCAGAAAGACAAGATACATACAGTGCCTTGGCCATGGGCAATGGACTTCGGGC  
 AAATGTGTGGAAAACTTCCAGCAACGCTTTGGTCCCATTTCGGATCTGGGAATTCACGGATCCACAGAG  
 GGCAATGTGGCTTAATGAAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGT  
 TGCTGACTCCCTTTGAGCTTGTACAGTTCGACATAGAGACAGCAGAGCCTCTGAGGGACAACAGGGTTT  
 TTGCATTCCTGTGGAGCCAGGAAAGCCAGGACTTCTTTTGACCAAGGTTGAAAGAACCAACCTTCTCTG  
 GGCTACCGTGGTCCAGGCCGAGTCCAATCGGAACTTGTGCGAATGTACGACGCGTAGGAGACCTGT  
 ACTTCAACACTGGGGACGTGCTGACCTTGGACCAGGAAGGCTTCTTACTTTCAAGACCGCCTTGGTGA  
 CACCTTCCGGTGGAAAGGGCGAAAACGTATCTACTGGAGAGGTGGAGTGTGTTTTGTCTAGCTAGACTTC  
 CTAGAGGAAGTCAATGTCTATGGTGTGCTGTGCCAGGTGTGAGGGTAAGGTTGGCATGGCTGCTGTGA  
 AACTGGCTCCTGGGAAGACTTTTGTGAGGCGAAGCTATACCAGCATGTCCGCTCCTGGCTCCCTGCCTA  
 TGCCACACCTCATTTATCCGTATCCAGGATCCCTGGAGATCACAAACACCTACAAGCTGGTAAAGTCA  
 CGGCTGGTGCCTGAGGGTTTTGATGTGGGGATCATTGCTGACCCCTCTACATACTGGACAACAAGGCC  
 AGACCTTCCGGAGTCTGATGCCAGATGTGTACCAGGCTGTGTGTGAAGGAACCTGGAATCTCTGACCACC  
 TAGCCAACTGGAAGGCAATCCAAAAGTGTAGAGATTGACACTAGTCAGCTTCAAAAAGTTGTCCGGGTT  
 CAGATGCCCATGGCCAGTAGTACTTAGAGAATAAACTTGAATGTGTATACAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_009512

**Insert Size:** 2070 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).

**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:** [BC013272](#), [AAH13272](#)

**RefSeq Size:** 2306 bp

**RefSeq ORF:** 2070 bp

**Locus ID:** 26459

**UniProt ID:** [Q4LDG0](#)

**Cytogenetics:** 7 A1

**Gene Summary:** Acyl-CoA synthetase involved in bile acid metabolism. Proposed to catalyze the first step in the conjugation of C24 bile acids (choloneates) to glycine and taurine before excretion into bile canaliculi by activating them to their CoA thioesters. Seems to activate secondary bile acids entering the liver from the enterohepatic circulation (By similarity).[UniProtKB/Swiss-Prot Function]