

Product datasheet for **RN212581**

AcsI5 (NM_053607) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AcsI5 (NM_053607) Rat Untagged Clone
Tag:	Tag Free
Symbol:	AcsI5
Synonyms:	Acs5; FacI5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212581 representing NM_053607
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTTTTATTTTAACTTCTGTGTTTTCCCCTCCGACCCCGGCCCTGATCTGCCTCCTGACATTTG
 GAACGGCTATCTTCTGTGGCTGATCAACAGACCTCAGCCAGTCTTACCTCTATTGACTTGGACAACCA
 GTCTGTAGGGATTGAGGGAGGAGCACGGAGAGGCGCTTCCAGAAGAACAATGACCTAATCCTTTATTAC
 TTCTCAGACGCCAAGACGTTGTATGAAGTTTTCCAAAGAGGACTTGCTGTGTCTGACAATGGACCTGTCT
 TGGGATACAGAAAGCCGAACCAGCCCTACAAGTGGATATCCTACAAGCAGGTGTCTGATCGAGCAGAGTA
 CCTGGGCTCCTGTCTTTGCATAAAGGATACAAGCCATCGCAGGACCAATTTATTGGCATCTTTGCTCAA
 AATAGGCCAGAGTGGTTCATCTCCGAGTTAGCCTGTTACACATATTCATGGTAGCTGTCCCCTGTATG
 ACACACTGGGAGCAGAAGCCATCATCTATGTCATCAACAGAGCTGATATCTCCGTGGTGTCTGTGATAC
 ACCCCAAAAGCAACAATGCTGATAGAAAATGTGAAAAGGACCTTACCCAGGCCTGAAGACAGTCATC
 CTATGGACCCCTTCGATGATGACTGATGAAACGAGGAGAGAAGTGTGGCATTGAGATGTTGTCTCTGC
 ATGATGCTGAGAATCTAGGCAAAGAGAACTTCAAAAAACCAATGCCTCCGAACCCAGAGGATCTAAGTGT
 TATCTGTTTACCAGTGGAACTACAGGTGACCCAAAAGGAGCTATGCTGACCCATCAAAAATATCGTTTCA
 AACATGGCTGCTTTCCTCAAATTTCTGGAGCCTATCTTCCAGCCACCCCGAGGATGTGACCATATCCT
 ACCTTCCCTTGGCCCATATGTTTGAGAGGCTTGTCCAGGGTGTCAATTTTCTGTGGAGGCAAAATTTGG
 GTTCTTCAAGGAGATATCCGGTTGCTACCTGATGACATGAAGGCTTTGAAACCCACAGTGTTCACACA
 GTGCCTCGACTCCTTAAACAGGCTATGATAAGGTACAAAATGAAGCAAGACACCTTTGAAAAGTTCT
 TATTGAACCTGGCTATCATCAGCAAATTAACGAAGTGAGAAATGGCATCATTGCGCGGAACAGTTTGTG
 GGACAAGCTCGTGTTCAAAGATCCAAAGCAGCCTGGGTGGGAAGGTTGCTCTCATGATCACTGGAGCC
 GCCCTATCTCCACTCCAGTCTTGACGTTCTTCCAGGGCTGCAATGGGATGCTGGGTGTTTGAAGCTTACG
 GCCAAACAGAATGCACAGCTGGGTGTTCCATTACATCACCTGGGACTGGACAGCAGGTCATGTTGGGAC
 TCCGGTGTCTGCAATTTGTCAAGCTGGAAGATGTGGCTGACATGAACTACTTTTTCAGTAAACAACGAA
 GGCGAGATCTGCATCAAAGGCAACAATGTGTTCAAAGGCTACCTAAAGGACCCAGAGAAGACACAGGAAG
 TACTGGACAAGGATGGCTGGCTTACACTGGGACATCGGTGCTGGCTTCCAAATGGAACCTGAAAAAT
 CATTGACCGGAAGAAGAATATTTTCAAATTTGGCACAAGGAGAATACATCGCTCCAGAGAAGATTGAAAAAT
 GTTTATCCAGGAGCAGACCAATATTGCAAGTTTTTGTCCATGGGAGAGCTTACGGTCATTCTCTGATAG
 GAGTGGTGGTTCCTGACCCAGAGTCACTTCCCTCATTGTCAGCCAAGATCGGGGTAAGGGATCCTTTGA
 AGAACTATGCCAAAACAGTGTGTAAGAAAGCCATTTTGAAGATTTGCAGAAAGTTGGGAAAAGAGGT
 GGCTTAAATCCTTTGAGCAGGTCAAGAGCATCTTTGTGCATCCGGAGCCGTTTCTCAATTGAAAACGGGC
 TTCTGACACCGACTGAAAGCCAAACGAGTGGAGCTTGCCAAGTTCTTCCAGACACAAATCAAGAGCCT
 CTATGAGAGCATCGAAGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_053607

Insert Size: 2052 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:	<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_053607.1</u> , <u>NP_446059.1</u>
RefSeq Size:	2454 bp
RefSeq ORF:	2052 bp
Locus ID:	94340
UniProt ID:	<u>O88813</u>
Cytogenetics:	1q55
Gene Summary:	catalyzes the ligation of a fatty acid to produce acyl Co-A; has preferential activity for C16-C18 unsaturated fatty acids [RGD, Feb 2006]