

## Product datasheet for **MC221739**

### Chsy1 (NM\_001081163) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chsy1 (NM_001081163) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chsy1
Synonyms:	mKIAA0990
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221739 representing NM\_001081163  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGCGCGGCCGGCGCGCCTGGCTCAGCATGCTGCTCGGGCTCGTCTGGGCTTCGTCTGGCCCT  
 CGCGGCTCGTCCGCCCCGCGCCTCGGAGCTGAAGCGAGTGGGCCCGCGCGGCCGCCAGTCCCAGGG  
 ATGCCGGCCAGGGCAGGAGGCGTCCGAGCCCGCGGGCGCGCGGCGATGCGCGCGGGCGCAGCTCTGG  
 CCGCAGGGCTCGGCCGCGGAGGGCGTCCCGCGCAGAGAACTTCTCTTCGTGGGAGTCATGACAGCCC  
 AGAAATACCTGCAGACCCGCGCCGTGGCCGCTACAGAACATGGTCCAAGACAATCCCAGGAAAGTGGAA  
 GTTCTTCTAGCGAGGGTTCAGATACATCTATACCCATTCCAGTGGTGGCCCTGCGGGGTGGATGAC  
 TCCTACCCACCCAGAAGAAGTCTTTCATGATGCTCAAGTACATGCACGATCACTACCTGGACAAGTACG  
 AGTGGTTTATGAGGGCAGACGATGACGTTTACATCAAGGGAGATCGTCTGGAGAGTTTCTGAGGAGTTT  
 GAATAGCAGCGAGCCCTCTTCTCGGGCAGACAGGACTGGGCACCACAGAAGAAATGGGGAAGCTGGCC  
 CTTGAGCTGGAGAGAACTTCTGCATGGGCGGGCTGGTGTGATTCTGAGCCGGGAAGTCTTCGGAGAA  
 TGGCACACACATTGGCAAGTGTCTCCGGGAAATGTACACCACCCATGAGGATGTAGAGGTGGGGAGATG  
 TGTCCGGAGATTCGCAGGCGTGCAGTGTGTCTGGTCTTATGAGATGCAGCAGCTTTTTTATGAGAATTAT  
 GAACAGAAACAAGAAAGGTACATTAGAGATCTCCATAGCAGTAAAATCCACCGAGCGATCACCTTACACC  
 CCAACAAAAACCCACCGTACCAGTACAGGCTGCACAGTTACATGCTCAGCCGCAAGATCGCCGAGCTGCG  
 CCATCGCACGATCCAGCTCCACCGGGAGATCGTCTGATGAGCAAGTACAGCAGCAGGAGATCCAGAAG  
 GAAGACCTCCAGCTGGGCATCCCCCTCTTTCATGCGCTTCCAGGCCCGCCAGAGAGAGGAGATCTGG  
 AGTGGGAGTTCTTACTGGGAAATACTATACTCAGCCACAGATGGCCAGCCTCCCCGAGAGGGATGGA  
 CTCAGCACAGAGGGAGGCTTGGATGACATAGTCATGCAAGTGTGGAGATGATCAATGCCAACGCCAAG  
 ACTCGCGGGCGCATCATCGACTTCAAGGAGATCCAGTATGGCTACAGGCGTGTGAACCCCATGTACGGGG  
 CAGAGTACATTCTGGACCTGCTGCTCCTGTATAAGAAACACAAAGGGAAGAAGATGACGGTCCCTGTGAG  
 GCGGCACGCGTACCTGCAGCAGACCTTTCAGCAAGATGCAGTTTGTGGAGCACGAGGAGCTGGATGCACAA  
 GAGCTGGCAGACAGAATCAACCAGGACTCTGGTCCCTGTCTTCTGTCCAATCCCTGAAGAAGCTCG  
 TTGCTTCCAGCTTCTGGATCCAAGACGGAGCACAAAGAACCCAAAGAAAAGAAGATCAACATTCTGAT  
 CCCGTTGTCTGGGCGCTTCGACATGTTTGTGAGGTTTCATGGGAACTTTGAGAAGACGTGTCTCATTCCA  
 AATCTGAACGTGAAGCTGGTCTTCTGCTTTTCAACTCTGACTCTAACCCGACAAGGCCAACAGGTCCG  
 AGCTGATGCGAGATTACCGAGTCAAGTACCCTAAGGCTGACATGCAGGTCTGCCTGTGTGGGAGGGTT  
 TTCAAGAGCACTGGCCCTAGAAGTAGGCTCTTCCAGTTTAAACAATGAGTCTTTGCTCTTCTCTGTGAT  
 GTGGACCTGGTGTTTACAGCGGAATTTTACAGAGGTGCCGAGCCAACACAGTGTGGGGCAGCAGATCT  
 ATTTCCAATCATCTTTAGCCAGTATGATCCAAGATTGTTTATAGTGGGAAGTTCCCAGTGACAACCA  
 TTTTGCCTTTACTCAGAAAACAGGTTTCTGGAGAACTATGGGTTTGGCATCACTTGTATTTACAAGGGA  
 GATCTTGTGAGTGGTGGCTTCGATGTCTCCATCCAAGGCTGGGGCTGGAGGATGTGGACCTCTTTA  
 ACAAGGTTGTCCAGGCAGGTTGAAGACATTCAAGGACCCAGGAGGTTGGAGTTGTTACATCCACCACCC  
 TGTCTGTGACCCCTAATCTGGACCCCAACAGTATAAAATGTGCTTGGGGTCGAAAGCATCGACATTT  
 GGGTCCACGCAGCAGCTGGCCGAAATGTGGCTAGAAAAGAATGACCCAGTTACAGCAAAGGTGGCAGCC  
 ACGGCTCTGCCAGGACAGCCTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_001081163  
**Insert Size:** 2403 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001081163.1</a> , <a href="#">NP_001074632.1</a>
<b>RefSeq Size:</b>	4176 bp
<b>RefSeq ORF:</b>	2403 bp
<b>Locus ID:</b>	269941
<b>UniProt ID:</b>	<a href="#">Q6ZQ11</a>
<b>Cytogenetics:</b>	7 C
<b>Gene Summary:</b>	Has both beta-1,3-glucuronic acid and beta-1,4-N-acetylgalactosamine transferase activity. Transfers glucuronic acid (GlcUA) from UDP-GlcUA and N-acetylgalactosamine (GalNAc) from UDP-GalNAc to the non-reducing end of the elongating chondroitin polymer. [UniProtKB/Swiss-Prot Function]