

Product datasheet for **MC222388**

Chsy3 (NM_001081328) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chsy3 (NM_001081328) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chsy3
Synonyms:	4833446K15Rik; AI662215
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222388 representing NM_001081328
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGTGCGCTCCCGCCGCCATGGGTGAGCGTGGCATTGGGGTTGGTCTGGGCTTACCGCCGCGT
 CCTGGCTCATCGCCCCGGGTGGCCGAGCTGAGCGAGAAGAGGGGACCGGGCTCCAGTCTTTGCTCCTA
 CTACGGCCGCTCGGCTACCGGGCCCGCGGAGCGCAGCAGCTGCTCCCCAACCCAGTCCCGGCCG
 CGGCTAGAGCAGTCGCCGCCCTGCCAGCCAGAGCTCCCGGTCTCAGCAGCCGGAGGCGGCCGCCG
 GAGGTCCAGTTTTCGGAGCAGCCCTGCCAGCAGCCGGCTCTGTTGCCGAGAGGAGGCGAGGACACAC
 GCCCAAGGTGCGACGGCGCTTCCCGGCTCCGGCTGCCAAAGGGGAACCAGAGGAGGAGGATGGGGC
 GCGGCTGACCCTCGAAGGTGGCCGGCCGGGAGCAGCCACAACGGCAGCGGGGACGGGGTGCCGCTG
 TCCCGACTCCGGACCCGGGACTTCTGTACGTGGGTGTGATGACCGCACAGAAGTACCTGGGCAGTCCG
 CGCGCTGGCCGCGCAGCGGACTGGGCGCGCTTATCCCTGGCCGCGTGGAGTTCTTTCCAGTCAGCAA
 TCTCCAGTGTGCGCTTGGCCAGCCCCGCCACCTTTGCTGTATCGCGCTGCCAGGGTTCGACGATT
 CCTACCCTCCCCAGAAAAGTCTTTCATGATGATCAAGTACATGCACGACCCTATCTGGACAAGTATGA
 GTGGTTTACGCGCCGACGACGATGTCTACATCAAAGGTGATAAGTTAGAAGATTTCTAAGATCCCTA
 AATAGCAGCAAGCCTCTTACCTGGGACAGACGGCCCTGGGCAATACTGAAGAACTTGGAAAGCTGGGGC
 TGGAGCCCGGGGAGAAGTCTGCATGGGAGGACCTGGCATGATCTTCAGCAGAGAGGTTCTCAGGCGGAT
 GGTGCCTCATATCGGCGAATGCCTCCGAGAGATGTACACCACACGAAGACGTAGAAGTAGGAAGGTGT
 GTTCGCGTTCGCGGGACGAGTGTGTGGTCTTATGAGATGCAGCAGCTGTTCCATGAAAACACG
 AACACAATCGCAAGGTTACATCCAAGACTCCACAACAGCAAAATCCACGCAGCCATCAGCTCCATCC
 GAACAAAAGGCCCGCTACCAAGTACAGACTTCACTAACTACATGCTCAGCCGCAAGATCTCCGAGCTCCGC
 TACCGCACCATCCAGCTCCACCGGAGAGCGCTCTCATGAGCAAGCTCAGCAACAGTGAAGTGAGCAAAG
 AGGACCAACAGCTGGGAAGGACGCGCTCTTCAACCCTTCCAGCCTCGGGAGAGAAATGAAGTCATGGA
 GTGGGAGTTCTGACGGGAAGCTGCTTACTCAGCTGCAGAGAACCAGCCTCCTCGACAGAGCATCAAC
 AGCATCTAAGGTCAGCTCTGGATGACTGTCTGCAGGTGATGGAGATGATCAACGAGAATGCCAAGA
 GTAGGGCCGACTCATCGACTTCAAGGAAATTCAGTATGGCTACCGCAGGGTTGATCCCATGCACGGGT
 TGAGTACATATTGACCTGCTACTCTGTACAAAAGGCACAAAGGAAGGAACTGACTGTGCTGTGAGG
 CGCCATGCCTATCTTCCAGCAGCCATTTAGCAAGCCTTTCTCAGAGAGGTGGAAGAACTCGACGTCAACC
 GTCTGGTGAGAGTATCAACAGCGGTACACAGTATTCTCCGTTATATCCAATTCTTAAAAATCTCTC
 TTCTCTCAAGAGGCCAAAGACATAGGAGGGCACAATGAAAAGAAAGTACACATTCTCGTCCACTCGTT
 GGAAGGTACGACATTTTCTTGGATTATGAAAATTTTGAAGTACGTGTCTTATCCCAAAGCAAAATG
 TCAAGCTTGTATCATCTTTTCCAGCAGGGATGCTGGCCAAGAGTCCATCAAGCATTGAGCTGATACA
 AGAATATCAGAGCAGGTATCCAGTGCAGAAATGATGCTATCCCATGAAGGGAGAGTTTTCCAGAGGT
 CTTGGTCTTGAATGGCTTCTCCAGTTTGACAATGACACATTGCTGCTATTTTGTGATGTTGACTTGA
 TTTTCAGAGGAGACTTCTCCAACGCTGTCGAGACAATACAGTTCAGGGACAACAGGTATATTACCCCAT
 CATCTTTAGCCAGTATGACCCAAAGGTACCCATATGAGAAATCCTCCACAGAGGGTACTTTGTATTC
 TCAAAGGAAACTGGGTTTTGGAGAGACTATGGCTACGGAATCACATGCATTTACAAAAGCGATCTACTGG
 GTGAGGTGGATTTGATACCTCAATACAAGGCTGGGACTGGAAGATGTAGATCTCTATAATAAAGTCAT
 CCTATCTGGCTTACGGCCCTCAGAAGTCAAGAAGTGGGAGTGGTGCATATTTCCATCCTGTTCTATTGT
 GATCCTAACTGGACCCTAAGCAGTATAAGATGTGCTTAGGATCCAAAGCAAGTACTTTTGCCTCAACCA
 TGCAACTGGCTGAACTCTGGTTAGAAAACATTTGGGTGTCAGGGATAATCGAATCTCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081328
Insert Size: 2655 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:	NM_001081328.1 , NP_001074797.1
RefSeq Size:	3882 bp
RefSeq ORF:	2655 bp
Locus ID:	78923
UniProt ID:	Q5DTK1
Cytogenetics:	18 D3
Gene Summary:	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. Specific activity is much reduced compared to CHSY1.[UniProtKB/Swiss-Prot Function]