

Product datasheet for **MG215749**

Chsy1 (NM_001081163) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chsy1 (NM_001081163) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Chsy1
Synonyms:	mKIAA0990
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG215749 representing NM_001081163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGCGCGCGGCCGGCGCGCCTGGCTCAGCATGCTGCTCGGGCTCGTCTGGGCTTCGTCTGGCCCT
 CGCGGCTCGTCCCGCCGCGCCTCGGAGCTGAAGCGAGTGGGCCGCGCGCGGCCAGTCCCGAGGG
 ATGCCGGCCAGGGCAGGAGGCGTCGCAGCCCGCGGGGCGCGCGGATGCGCGCGGGGCGCAGCTCTGG
 CCGCAGGGCTCGGCCGCGGAGGGCGTCCCGCGCGACAGGAACCTTCTCTCGTGGGAGTCATGACAGCCC
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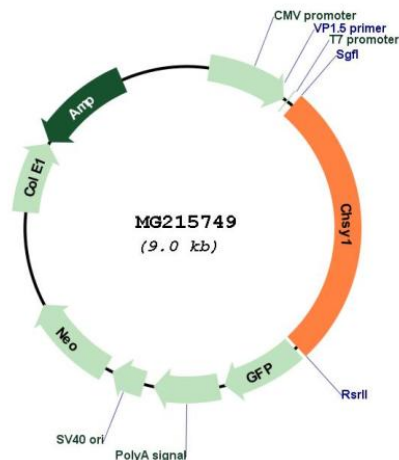
AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215749 representing NM_001081163
Red=Cloning site Green=Tags(s)

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MAARGRRAWLSMLLGLVLGFVLASRLVLPRASELKRVGPRRRPSPEGCRPGQEASQPGGARGDARGAQLW
PQGSAAEGVPRDRNFLVGVMTAQKYLQTRAVAAVRTWSKTIPGKVEFFSSEGSDTSIPIPVVPLRGVDD
SYPPQKKSFMMLKYMHDHYLDKYEFMRADDDVYIKGDRLSFLRSLNSSEPLFLGQTGLGTTEEMGKLA
LEPGENFCMGGPGVILSREVLRRMAPHIGKCLREMYTTHEDEVGRCVRRFAGVQCWWSYEMQQLFYENY
EQNKKGYIRDLHSSKIHRAITLHPNKNPPYQYRLHSYMLSRKIAELRHRTIQLHREIVLMSKYSSTEIQK
EDLQLGIPPSFMRFQARQREEILEWEFLTGKYLVSATDGOPPRRGMSAQREALDDIVMQVMEMINANAK
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ELADRINQDSGSLSFLSNLKKLVAFQLPGSKTEHKEPKKINILIPLSGRFDMFVRFMGNFEKTCLIP
NLNVKLVILLFNSDSNPKAKQVELMRDYRVKYPKADMQVLPVSGGFSRALALEVGSSQFNNESSLFFCD
VDLVFTAFLQRCRANTVLGQIYFPIIFSQYDPKIVYSGKVPNDNHFAFTQKTGFWRNYGFGITCIYKG
DLVVRVGGFDVSIQGWLEDDVDFNKVVQAGLKTFRSQEVGVVHIHHPVVCDPNLDPKQYKMLGSKASTF
GSTQQLAEMWLEKNDPSYSKGGSHGSARTA
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SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Plasmid Map:


ACCN: NM_001081163

ORF Size: 2400 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_001081163.2](#)

RefSeq Size: 4176 bp

RefSeq ORF: 2403 bp

Locus ID: 269941

UniProt ID: [Q6ZQ11](#)

Cytogenetics: 7 C

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.
[UniProtKB/Swiss-Prot Function]