

Product datasheet for **RG207899**

CHSY1 (NM_014918) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHSY1 (NM_014918) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHSY1
Synonyms:	CHSY; ChSy-1; CSS1; TPBS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207899 representing NM_014918
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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AC**CGGCCCGCT**CGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207899 representing NM_014918
 Red=Cloning site Green=Tags(s)

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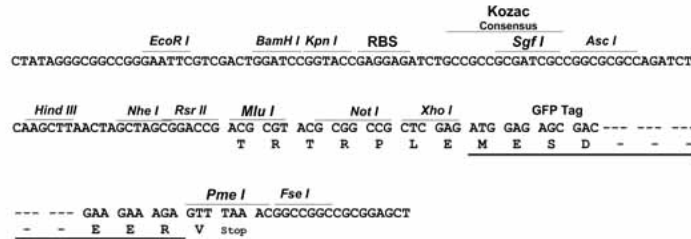
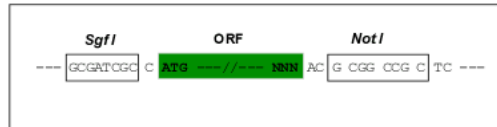
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TRPLE - GFP Tag - V

Restriction Sites: Sgfl-NotI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_014918

ORF Size: 2406 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_014918.5](#)

RefSeq Size: 4567 bp

RefSeq ORF: 2409 bp

Locus ID: 22856

UniProt ID: [Q86X52](#)

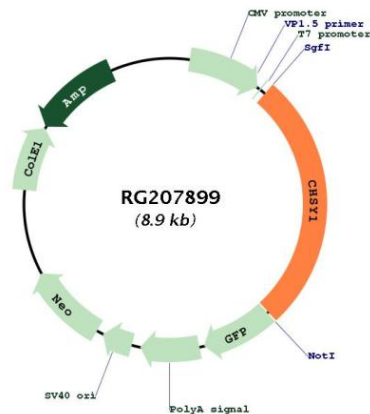
Cytogenetics: 15q26.3

Protein Families: Transmembrane

Protein Pathways: Chondroitin sulfate biosynthesis, Metabolic pathways

Gene Summary: This gene encodes a member of the chondroitin N-acetylgalactosaminyltransferase family. These enzymes possess dual glucuronyltransferase and galactosaminyltransferase activity and play critical roles in the biosynthesis of chondroitin sulfate, a glycosaminoglycan involved in many biological processes including cell proliferation and morphogenesis. Decreased expression of this gene may play a role in colorectal cancer, and mutations in this gene are a cause of temtamy preaxial brachydactyly syndrome. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RG207899