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Product datasheet for RC207899L4V

CHSY1 (NM_014918) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CHSY1 (NM_014918) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CHSY1
Synonyms:	CHSY; ChSy-1; CSS1; TPBS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014918
ORF Size:	2406 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207899).`
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.
RefSeq:	NM_014918.4
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

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MW: 91.8 kDa

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]