

Product datasheet for **RC225915L4V**

CSGALNACT1 (NM_001130518) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CSGALNACT1 (NM_001130518) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CSGALNACT1
Synonyms:	beta4GalNAcT; ChGn; ChGn-1; CSGalNAcT-1; SDJLABA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001130518
ORF Size:	1596 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225915).
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_001130518.1 , NP_001123990.1
RefSeq ORF:	1599 bp
Locus ID:	55790
UniProt ID:	Q8TDX6
Cytogenetics:	8p21.3
Protein Families:	Transmembrane
Protein Pathways:	Chondroitin sulfate biosynthesis, Metabolic pathways
MW:	61.1 kDa



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Gene Summary:

This gene encodes an enzyme that transfers N-acetylglucosamine (GalNAc) to the core tetrasaccharide linker and to elongating chondroitin sulfate chains in proteoglycans. Knockout of the orthologous mouse gene indicates that the protein is necessary for normal cartilage development and aggrecan metabolism. Mutations in this gene are associated with multiple sclerosis progression, and with mild skeletal dysplasia and joint laxity. [provided by RefSeq, Aug 2017]