

## Product datasheet for **RC223942L4V**

### **B3GALT6 (NM\_080605) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	B3GALT6 (NM_080605) Human Tagged ORF Clone Lentiviral Particle
Symbol:	B3GALT6
Synonyms:	ALGAZ; beta3GalT6; EDSP2; EDSSPD2; SEMDJL1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_080605
ORF Size:	987 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC223942).
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. <a href="#">More info</a>
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:	<a href="#">NM_080605.3</a>
RefSeq Size:	2793 bp
RefSeq ORF:	990 bp
Locus ID:	126792
UniProt ID:	<a href="#">Q96L58</a>
Cytogenetics:	1p36.33
Domains:	Galactosyl_T
Protein Families:	Transmembrane



[View online »](#)

**Protein Pathways:** Chondroitin sulfate biosynthesis, Heparan sulfate biosynthesis, Metabolic pathways

**MW:** 37.1 kDa

**Gene Summary:** The enzyme encoded by this intronless gene is a beta-1,3-galactosyltransferase found in the medial Golgi apparatus, where it catalyzes the transfer of galactose from UDP-galactose to substrates containing a terminal beta-linked galactose moiety. The encoded enzyme has a particular affinity for galactose-beta-1,4-xylose found in the linker region of glycosamines. This enzyme is required for glycosaminoglycan synthesis. [provided by RefSeq, Jun 2013]