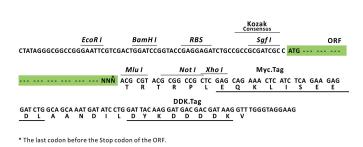


Product datasheet for RC208261L3

ST3GAL3 (NM_006279) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST3GAL3 (NM_006279) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	ST3GAL3
Synonyms:	DEE15; EIEE15; MRT12; SIAT6; ST3GALII; ST3Gal III; ST3GalIII; ST3N
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208261).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I



--- GCG ATC GC ATG --- // --- NNN ACG CGT ---

ACCN: ORF Size: NM_006279 1125 bp

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn



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ST3GAL3 (NM_006279) Human Tagged Lenti ORF Clone – RC208261L3	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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 Met	 hod: 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:	<u>NM 006279.2</u>
RefSeq Size:	2294 bp
RefSeq ORF:	1128 bp
Locus ID:	6487
UniProt ID:	<u>Q11203</u>
Cytogenetics:	1p34.1
Domains:	Glyco_transf_29
Protein Families:	Secreted Protein, Transmembrane
Protein Pathways:	Glycosphingolipid biosynthesis - lacto and neolacto series, Keratan sulfate biosynthesis, Metabolic pathways
MW:	42.2 kDa

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Gene Summary:The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of
sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is
normally found in the Golgi apparatus but can be proteolytically processed to a soluble form.
This protein is a member of glycosyltransferase family 29. Mutations in this gene have been
associated with a form of autosomal recessive nonsymdromic cognitive disability as well as
infantile epileptic encephalopathy. Multiple transcript variants encoding several different
isoforms have been found for this gene. [provided by RefSeq, Jul 2017]

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