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Product datasheet for RC224481L2V

OGT (NM_181673) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	OGT (NM_181673) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OGT
Synonyms:	HINCUT-1; HRNT1; MRX106; O-GLCNAC; OGT1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_181673
ORF Size:	3108 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224481).
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_181673.1
RefSeq Size:	5445 bp
RefSeq ORF:	3111 bp
Locus ID:	8473
UniProt ID:	O15294
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, O-Glycan biosynthesis

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MW: 115.5 kDa

Gene Summary: This gene encodes a glycosyltransferase that catalyzes the addition of a single N-acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both phosphorylation and glycosylation compete for similar serine or threonine residues, the two processes may compete for sites, or they may alter the substrate specificity of nearby sites by steric or electrostatic effects. The protein contains multiple tetratricopeptide repeats that are required for optimal recognition of substrates. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Oct 2009]