

Product datasheet for RC224481L2

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OGT (NM_181673) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: OGT (NM_181673) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: OGT

Synonyms: HINCUT-1; HRNT1; MRX106; O-GLCNAC; OGT1

Mammalian Cell None

Selection:

Vector: pLenti-C-mGFP (PS100071)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC224481).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_181673

ORF Size: 3108 bp





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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.

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 Method: 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 181673.1</u>

RefSeq Size:5445 bpRefSeq ORF:3111 bpLocus ID:8473

UniProt ID: <u>O15294</u>

Cytogenetics: Xq13.1

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 115.5 kDa

Gene Summary: This gene encodes a glycosyltransferase that catalyzes the addition of a single N-

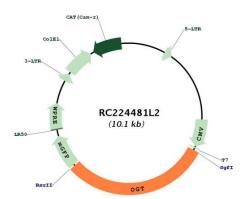
acetylglucosamine in O-glycosidic linkage to serine or threonine residues. Since both

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]



Product images:



Circular map for RC224481L2