

Product datasheet for RC217185L4

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

OriGene Technologies, Inc.

POFUT1 (NM_015352) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: POFUT1 (NM 015352) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: POFUT1

Synonyms: DDD2; FUT12; O-Fuc-T; O-FucT-1; O-FUT; OFUCT1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217185).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_015352

ORF Size: 1164 bp



POFUT1 (NM_015352) Human Tagged Lenti ORF Clone - RC217185L4

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 015352.1</u>

 RefSeq Size:
 5249 bp

 RefSeq ORF:
 1167 bp

 Locus ID:
 23509

 UniProt ID:
 Q9H488

 Cytogenetics:
 20q11.21

Protein Families: Druggable Genome, Transcription Factors

MW: 43.96 kDa

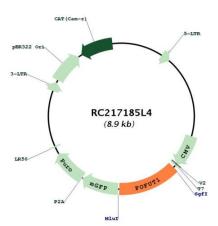
Gene Summary: This gene encodes a member of the glycosyltransferase O-Fuc family. This enzyme adds O-

fucose through an O-glycosidic linkage to conserved serine or threonine residues in the epidermal growth factor-like repeats of a number of cell surface and secreted proteins. O-fucose glycans are involved in ligand-induced receptor signaling. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul

2008]



Product images:



Circular map for RC217185L4