

Product datasheet for RC210799L4

OriGene Technologies, Inc.

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uronyl 2 sulfotransferase (UST) (NM_005715) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: uronyl 2 sulfotransferase (UST) (NM_005715) Human Tagged Lenti ORF Clone

Tag: mGFF

Symbol: uronyl 2 sulfotransferase

Synonyms: 2OST

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(RC210799).

Sequence:

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_005715

ORF Size: 1218 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 005715.1</u>

 RefSeq Size:
 4396 bp

 RefSeq ORF:
 1221 bp

 Locus ID:
 10090

 UniProt ID:
 Q9Y2C2

 Cytogenetics:
 6q25.1

Domains: HS2ST

Protein Families: Transmembrane

Protein Pathways: Chondroitin sulfate biosynthesis

MW: 47.7 kDa

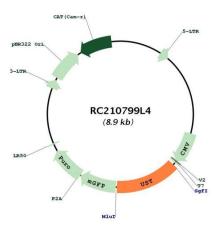
Gene Summary: Uronyl 2-sulfotransferase transfers sulfate to the 2-position of uronyl residues, such as

iduronyl residues in dermatan sulfate and glucuronyl residues in chondroitin sulfate

(Kobayashi et al., 1999 [PubMed 10187838]).[supplied by OMIM, Mar 2008]



Product images:



Circular map for RC210799L4