

Product datasheet for RC224498L3

OriGene Technologies, Inc.

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ENT1 (SLC29A1) (NM_001078176) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ENT1 (SLC29A1) (NM_001078176) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: ENT1

Synonyms: ENT1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF

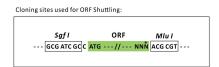
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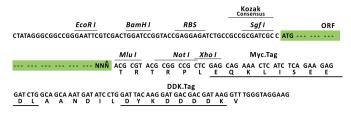
The ORF insert of this clone is exactly the same as(RC224498).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001078176

ORF Size: 1368 bp





ENT1 (SLC29A1) (NM_001078176) Human Tagged Lenti ORF Clone - RC224498L3

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 001078176.1</u>, <u>NP 001071644.1</u>

RefSeq Size: 2201 bp
RefSeq ORF: 1371 bp
Locus ID: 2030
Cytogenetics: 6p21.1

Protein Families: Transmembrane

MW: 50.2 kDa

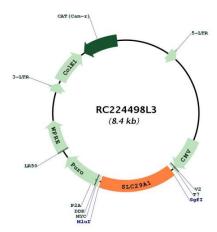
Gene Summary: This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a

transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this

gene. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC224498L3