

Product datasheet for RC229886L3

OriGene Technologies, Inc.

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

Zinc transporter 8 (SLC30A8) (NM_001172815) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Zinc transporter 8 (SLC30A8) (NM_001172815) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Zinc transporter 8

Synonyms: ZnT-8; ZNT8

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide The ORF insert of this clor

Sequence:

The ORF insert of this clone is exactly the same as(RC229886).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001172815

ORF Size: 960 bp



Zinc transporter 8 (SLC30A8) (NM_001172815) Human Tagged Lenti ORF Clone - RC229886L3

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 001172815.1</u>

 RefSeq Size:
 5430 bp

 RefSeq ORF:
 963 bp

 Locus ID:
 169026

 UniProt ID:
 Q8IWU4

 Cytogenetics:
 8q24.11

Protein Families: Transmembrane

MW: 35.1 kDa

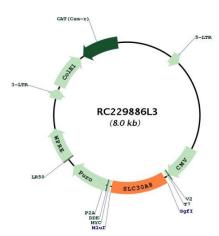
Gene Summary: The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of

zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Mar 2010]



Product images:



Circular map for RC229886L3