

Product datasheet for RC230276L3

OriGene Technologies, Inc.

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DMT1 (SLC11A2) (NM_001174128) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DMT1 (SLC11A2) (NM_001174128) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: DMT1

Synonyms: AHMIO1; DCT1; DMT1; NRAMP2

Mammalian Cell Puromycin

Selection:

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

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

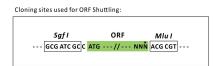
ORF Nucleotide The ORF insert of this clone

Sequence:

The ORF insert of this clone is exactly the same as(RC230276).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_001174128

ORF Size: 1683 bp





DMT1 (SLC11A2) (NM_001174128) Human Tagged Lenti ORF Clone - RC230276L3

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 001174128.1, NP 001167599.1</u>

RefSeq ORF: 1686 bp **Locus ID:** 4891

 UniProt ID:
 P49281

 Cytogenetics:
 12q13.12

Protein Families: Transmembrane

Protein Pathways: Lysosome MW: 61.9 kDa

Gene Summary: This gene encodes a member of the solute carrier family 11 protein family. The product of

this gene transports divalent metals and is involved in iron absorption. Mutations in this gene are associated with hypochromic microcytic anemia with iron overload. A related solute carrier family 11 protein gene is located on chromosome 2. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Apr 2010]