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# Product datasheet for RC230289L4V

## DMT1 (SLC11A2) (NM_001174126) Human Tagged ORF Clone Lentiviral Particle

### Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | DMT1 (SLC11A2) (NM_001174126) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SLC11A2 |
| **Synonyms:** | AHMIO1; DCT1; DMT1; NRAMP2 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_001174126 |
| **ORF Size:** | 1704 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC230289). |
| **OTI Disclaimer:** | Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.<br><br>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. |
| **RefSeq:** | NM_001174126.1 |
| **RefSeq ORF:** | 1707 bp |
| **Locus ID:** | 4891 |

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|---|---|
| **UniProt ID:** | P49281 |
| **Cytogenetics:** | 12q13.12 |
| **Protein Families:** | Transmembrane |
| **Protein Pathways:** | Lysosome |
| **MW:** | 62.7 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] |