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# Product datasheet for RC205572L3V

## SLC30A4 (NM_013309) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | SLC30A4 (NM_013309) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SLC30A4 |
| **Synonyms:** | znT-4; ZNT4 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_013309 |
| **ORF Size:** | 1287 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC205572). |
| **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. |
| **RefSeq:** | NM_013309.4 |
| **RefSeq Size:** | 4290 bp |
| **RefSeq ORF:** | 1290 bp |
| **Locus ID:** | 7782 |
| **UniProt ID:** | O14863 |
| **Cytogenetics:** | 15q21.1 |
| **Domains:** | Cation_efflux |
| **Protein Families:** | Transmembrane |

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**MW:** 47.9 kDa

**Gene Summary:** Zinc is the second most abundant trace metal in the human body. It is an essential element, serving both a structural role, as in the formation of zinc fingers in DNA-binding proteins, and a catalytic role in metalloenzymes, such as pancreatic carboxypeptidases (e.g., MIM 114852), alkaline phosphatases (e.g., MIM 171760), various dehydrogenases, and superoxide dismutases (e.g., MIM 147450). SLC30A4, or ZNT4, belongs to the ZNT family of zinc transporters. ZNTs are involved in transporting zinc out of the cytoplasm and have similar structures, consisting of 6 transmembrane domains and a histidine-rich cytoplasmic loop (Huang and Gitschier, 1997 [PubMed 9354792]).[supplied by OMIM, Mar 2008]