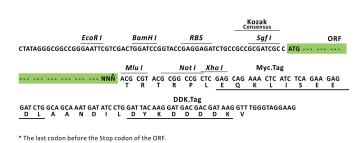


# Product datasheet for RC217264L3

## SLC44A4 (NM\_025257) Human Tagged Lenti ORF Clone

### **Product data:**

#### **Product Type: Expression Plasmids Product Name:** SLC44A4 (NM\_025257) Human Tagged Lenti ORF Clone Tag: Myc-DDK Symbol: SLC44A4 C6orf29; CTL4; DFNA72; hTPPT1; NG22; TPPT Synonyms: Mammalian Cell Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) E. coli Selection: Chloramphenicol (34 ug/mL) The ORF insert of this clone is exactly the same as(RC217264). **ORF** Nucleotide Sequence: **Restriction Sites:** Sgfl-Mlul **Cloning Scheme:** Cloning sites used for ORF Shuttling: ORF Sqf I Mlu I



--- GCG ATC GC C ATG --- //--- NNN ACG CGT ---

ACCN: ORF Size: NM\_025257 2130 bp

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| SLC44A4 (NM_025257) Human Tagged Lenti ORF Clone – RC217264L3 |  |
|---|--|
| OTI Disclaimer:   | Due to the inherent nature of this plasmid, standard methods to replicate additional amounts<br>of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore,<br>OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts<br>of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a<br>reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by<br>calling 301.340.3188 option 3 for pricing and delivery. |
|   | 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. <u>More info</u>  |
| 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 Met  | <ul> <li>hod: 1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquic at the bottom.</li> <li>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.</li> </ul>   |
| RefSeq:   | <u>NM 025257.2</u>   |
| RefSeq Size:  | 2643 bp  |
| RefSeq ORF:   | 2133 bp  |
| Locus ID:   | 80736  |
| UniProt ID:   | <u>Q53GD3</u>  |
| Cytogenetics:   | 6p21.33  |
| Domains:  | DUF580   |
| Protein Families:   | Transmembrane  |
| MW:   | 79.3 kDa   |
| Gene Summary:   | The protein encoded by this gene may be a sodium-dependent transmembrane transport<br>protein involved in the uptake of choline by cholinergic neurons. Defects in this gene can<br>cause sialidosis, a lysosomal storage disease. Three transcript variants encoding different  |

isoforms have been found for this gene. [provided by RefSeq, May 2010]

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