

Product datasheet for RC206665L3

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SLC39A5 (NM_173596) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SLC39A5 (NM_173596) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: SLC39A5

Synonyms: LZT-Hs7; MYP24; ZIP5

Mammalian Cell Puromycin

Selection:

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

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

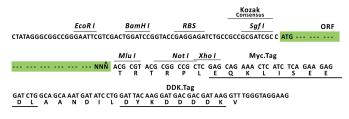
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206665).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_173596

ORF Size: 1617 bp





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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 173596.1</u>, <u>NP 775867.1</u>

 RefSeq Size:
 2015 bp

 RefSeq ORF:
 1623 bp

 Locus ID:
 283375

 UniProt ID:
 Q6ZMH5

 Cytogenetics:
 12q13.3

Protein Families: Transmembrane

MW: 56.3 kDa

Gene Summary: The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport

zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been

found for this gene. [provided by RefSeq, Sep 2014]