

Product datasheet for **SC325843**

SLC30A7 (NM_001144884) Human Untagged Clone

Product data:

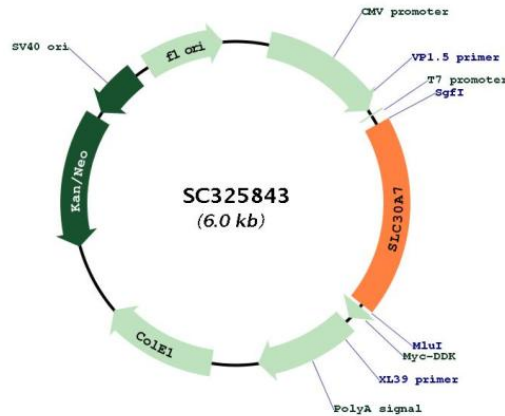
Product Type:	Expression Plasmids
Product Name:	SLC30A7 (NM_001144884) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC30A7
Synonyms:	ZnT-7; ZNT7; ZnTL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325843 representing NM_001144884. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTGCCCTGTCCATCAAAGACGATGAATACAAACCACCAAGTTCAATTTGTTGGCAAGATCTCG
GGCTGGTTAGGTCTATACTGTCCGACAAGACTTCCCGAACCTGTTTTCTTCTGTGCCTGAACCTC
TCTTCGTTTTGTGGAAGTACTCTACGGCATCTGGAGCAACTGCTTAGGCTTGATTTCCGACTTTTT
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CAGGCACATGGCCATGTCGATCATTGCCATAGCCATGAAGTAAACATGGTGTGCACATAGCCATGAT
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GTACAGATTGACTTTGCAGCCATGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001144884

Insert Size: 1131 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_001144884.1](#)

RefSeq Size: 7918 bp

RefSeq ORF: 1131 bp

Locus ID: 148867

UniProt ID: [Q8NEW0](#)

Cytogenetics: 1p21.2

Protein Families: Transmembrane

MW: 41.6 kDa

Gene Summary: Zinc functions as a cofactor for numerous enzymes, nuclear factors, and hormones and as an intra- and intercellular signal ion. Members of the zinc transporter (ZNT)/SLC30 subfamily of the cation diffusion facilitator family, such as SLC30A7, permit cellular efflux of zinc (Seve et al., 2004 [PubMed 15154973]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (2) lacks a segment in the 3' UTR, as compared to variant 1. Both variants 1 and 2 encode the same protein.