

## Product datasheet for **SC327926**

### SLC41A2 (NM\_032148) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC41A2 (NM_032148) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC41A2
Synonyms:	SLC41A1-L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



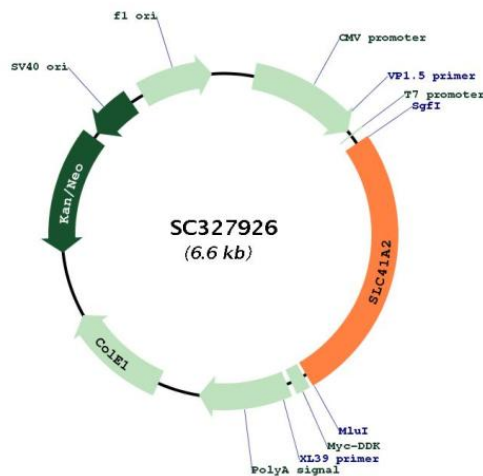
[View online »](#)

Fully Sequenced ORF: >SC327926 representing NM\_032148.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACTAATAGTAAAGGAAGATCTATTACCGATAAAAACAAGTGGTGGTCCAAGTAGTGGAGGAGTTTT
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CTCTACACTATTCATTTGATGAAAAGTGGTCATACTTCTTTAACTATAATCTTCATAGTAGTGATTTA
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CTGTTAGCCTTAAGTTTTCATTTCTTTGGCTTATTGGAGATCGAGATGGAGATGTTGGAGACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGCGC
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Restriction Sites: SgfI-MluI

## Plasmid Map:



ACCN: NM\_032148

Insert Size: 1722 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\\_032148.3](#)

RefSeq Size: 3548 bp

RefSeq ORF: 1722 bp

Locus ID: 84102

UniProt ID: [Q96JW4](#)

Cytogenetics: 12q23.3

<b>Domains:</b>	MgtE
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	62.5 kDa
<b>Gene Summary:</b>	Acts as a plasma-membrane magnesium transporter.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. All five variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.