

Product datasheet for RC231582

SLC39A2 (NM_001256588) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC39A2 (NM_001256588) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC39A2
Synonyms: 6A1; ETI-1; ZIP-2; ZIP2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC231582 representing NM_001256588
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCAACTACTAGGAATAAACTTGGCTGCCTGTTTGCCCTGTTGGCTCTCACTCTGGGCTGTGGCC
TTACTCCCATCTGCTTCAAATGGTTCCAGATTGATGCAGCCAGAGGTCATCACCGCTAGTCCTCAGACT
CCTGGGCTGTATTCTGCTGGTGTTCCTGGGAGCAGGGTTCATGCATATGACTGCTGAAGCCCTGGAG
GAAATTGAATCACAGATTCAGAAGTTCATGGTGCAGATCAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231582 representing NM_001256588
Red=Cloning site Green=Tags(s)

MEQLLGIKLGCLFALLALTLGCLTPICFKWFQIDAARGHHRLVLRLLGCISAGVFLGAGFMHMTAEALE
EIESQIQKFMVQISK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001256588

ORF Size: 255 bp

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:

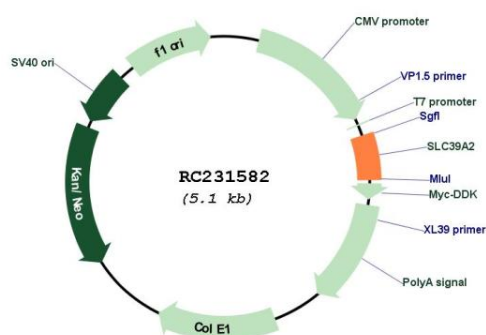
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001256588.2](#)

RefSeq Size:	1413 bp
RefSeq ORF:	258 bp
Locus ID:	29986
UniProt ID:	Q9NP94
Cytogenetics:	14q11.2
Protein Families:	Transmembrane
MW:	9.8 kDa
Gene Summary:	This gene encodes a member of the ZIP family of metal ion transporters. The encoded protein functions as a zinc transporter. Mutations in this gene may be associated with susceptibility to carotid artery disease. Multiple transcript variants have been described. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RC231582