

Datasheet for ABIN4923542

## Human SLC25A52 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	MCART2 (SLC25A52)
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human SLC25A52 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	924 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGCCCTTCA TGAGAAAGAT CTTAAGCAAC ATGATAGATT CAGAAGCTCA TGAAAAGAGG CCACCAATAC TTACATCTTC AAAACAAGAT ATATCACCTC ATATTACAAA TGTTGGTGAA ATGAAGCATT ACTTGTGTGG CTGCTGTGCA GCCTTCAACA ACGTCGCAAT CACATATCCC ATTCAGAAGG TCCTCTTTTC GCAACAGCTG TATGGCATCA AAACCCGGGA TGCAGTACTT

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## Product Details

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CAGTTGAGAA GGGATGGATT TCGAAATTTG TATCGTGGAA TCCTTCCCC ATTGATGCAG  
AAGACAATA CGCTTGCACT TATGTTTGGT CTGTATGAGG ATTTATCCTG CCTTCTCCGG  
AAGCATGTCC GTGCTCCAGA GTTTGCAACC CATGGCGTGG CGGCAGTGCT TGCAGGGACA  
GCAGAAGCAA TTTTCACTCC ACTGGAAAGA GTTCAGACAT TGCTTCAAAA CCACAAGCAT  
CATGACAAAT TTACCAACAC TTATCAGGCT TTCAAGGCAC TGAATGTCA TGAATTGGA  
GAGTATTATC GAGGCTTGGT GCCCATTCTT TTCCGGAATG GACTCAGCAA TGTCTTGTTT  
TTCGGCCTTC GAGGTCCCAT TAAGGAGCAT CTGCCTACCG CAACGACTCA CAGTGCTCAT  
TTGGTCAATG ATTTTATCGG TGGAGGTCTA TTGGGTGCCA TGTTGGGATT CTTGTGTTTT  
CCAATTAATG TTGTAAAAAC TCGCCTACAG TCTCAGATTG GTGGGGAATT TCAGTCTTTC  
CCCAAGGTTT TCCAAAAAAT CTGGCTGGAA CGGGACAGAA AACTGATAAA TCTTTTCAGA  
GGTGCCCATC TGAATTACCA TCGGTCCCTC ATCTCTGGG GCATAATCAA TGCAACTTAT  
GAGTTCTTGT TAAAATTTAT ATGA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer: 

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: MCART2 (SLC25A52)

Alternative Name: SLC25A52 ([SLC25A52 Products](#))

Background: This gene is similar to the mitochondrial carrier triple repeat 1 gene on chromosome 9. The gene is intronless and may be an evolving pseudogene, however, it is transcribed and it contains a full-length coding region so it is currently classified as a protein-coding locus. [provided by RefSeq, Jul 2008].

Gene ID: 147407

NCBI Accession: [NM\\_001034172](#)

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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)