

## Product datasheet for **RC203284**

### SLC25A17 (NM\_006358) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A17 (NM_006358) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC25A17
Synonyms:	PMP34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203284 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCGTGCTGCTCCTACGAAAGCCTGGTCCACGCCGTGGCCGAGCCGTGGGAAGCGTGACAGCAA  
TGACAGTGTTTTTCCCCTGGATACAGCTAGACTTCGACTTCAGGTTGATGAGAAAAGAAAATCCAAAAC  
TACACACATGGTCTCCTGGAGATCATTAAAGAAGAAGGACTCCTGGCACCATATCGAGGGTGGTTTCCA  
GTGATTTCCAGTCTCTGCTGCTCCAATTTGTCTATTTCTACACTTTTAATAGCCTCAAAGCACTCTGGG  
TCAAAGGTCAACATTCTACCACTGGAAAAGATCTGGTAGTTGGGTTTGTGCAGGAGTGGTTAATGTGTT  
GCTAACAACCTCACTCTGGGTGGTAAACACCAGACTGAAGCTTCAAGGAGCAAAATTTAGGAATGAAGAC  
ATTGTACCAACAACTACAAAGGTATCATTGATGCTTTTCATCAGATCATTTCGCGATGAAGGAATCTCGG  
CTTTATGGAATGGCACATTTCCCTCATTGCTGTTGGTCTTCAATCCTGCCATCCAGTTCATGTTTTATGA  
AGGTTTAAACGGCAGCTTTTAAAGAAACGGATGAAGCTTTCTCCTTGGATGTGTTTCATCATTGGTGCA  
GTAGCCAAAGCGATTGCCACCACGGTGACCTATCCCCTGCAGACGGTACAGTCAATTCTGAGGTTTGGGC  
GTCATAGACTAAACCCAGAAAACAGAACATTGGGAAGTCTTCGGAATATTCTCTATCTTCTCACCAACG  
AGTAAGACGTTTTGGAATAATGGGACTCTACAAAGGCTTGAAGCCAACTGTGCAGACAGTCCCTCACT  
GCTGCTCATGTTCTTGTGTTATGAGAACTGACAGCTGCCACCTTACAGTTATGGGGCTGAAGCGTG  
CACACCAACAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC203284 protein sequence  
 Red=Cloning site Green=Tags(s)

MASVLSYESLVHAVAGAVGSVTAMTVFFPLDARLRLQVDEKRKSKTTHMVLLEIIEEGLLAPYRGWFP  
 VISSLCCSNFVYFYTFNSLKALWVKGQHSTTGKDLVVGFAVGVNVLTTPLWVVNTRLKLGAKFRNED  
 IVPTNYKGIIDAFHQIIRDEGISALWNGTFPSLLLWFNPAIQFMFYEGLKRQLLKKRMKLSLDVFIIGA  
 VAKAIATTVTYPLQTVQSILRFGRHRLNPNENRNLGSLRNILYLLHQRVRRFGIMGLYKGLEAKLLQTVLT  
 AALMFLVYEKLTAAFTVMGLKRAHQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6416\\_g06.zip](https://cdn.origene.com/chromatograms/mk6416_g06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006358

**ORF Size:** 921 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\\_006358.4](#)

**RefSeq Size:** 2294 bp

**RefSeq ORF:** 924 bp

**Locus ID:** 10478

**UniProt ID:** [O43808](#)

**Cytogenetics:** 22q13.2

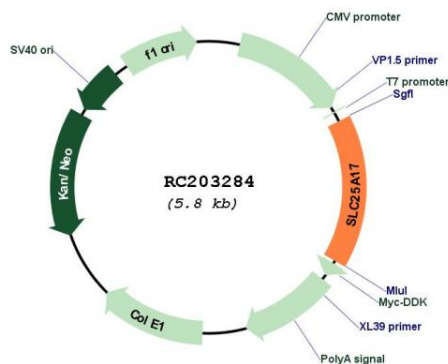
**Domains:** mito\_carr

**Protein Families:** Druggable Genome, Transmembrane

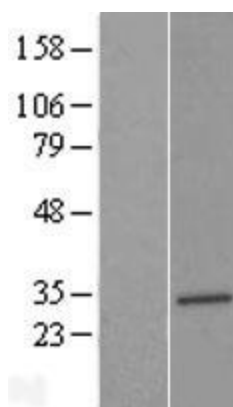
**MW:** 34.6 kDa

**Gene Summary:** This gene encodes a peroxisomal membrane protein that belongs to the family of mitochondrial solute carriers. It is expressed in the liver, and is likely involved in transport. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

### Product images:



Circular map for RC203284



Western blot validation of overexpression lysate (Cat# [LY416698]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203284 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).