

Product datasheet for RC207061

SLC25A34 (NM_207348) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A34 (NM_207348) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC25A34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207061 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGACGGTGCCCCAGCAGTGGACCTGGTGTGGGTGCTTCTGCCTGCTGCCTGGCCTGTGTCTTCA
CCAACCCCTGGAGGTGGTGAAGACCGGCTGCAGCTGCAGGGGAGCTGCAGGCCCGGGGCACCTACCC
ACGGCCCTACCATGGCTTCATAGCCTCTGTCGCTGCTGTGGCCGAGCAGACGGGCTGTGGGGCTGCAG
AAGGGCTGGCTGCCGGCCTTCTGTACCAAGCCCTCATGAATGGCGTTCGTTTCTACTGCTACAGCCTGG
CGTGCCAGGCTGGCCTCACGCAGCAACCAGGTGGCACCGTGGTTGCGGGAGCCGTGGCGGGGCACTGGG
AGCCTTCTGTGGGAGCCCTGCTTACCTGATCAAAACGCAGCTGCAAGCTCAGACAGTGGCCGAGTGGCC
GTGGGACACCAGCAATCACCAGACTGTCTGGGTGCCTGGAGACCATCTGGCGGCAGCAAGGGCTCT
TGGGGCTGTGGCAGGGCTTGGTGGGGCTGTGCCCGAGTCATGGTGGGCTCAGCTGCCAGCTGGCCAC
CTTCGCCTCTGCCAAGGCCTGGGTACAGAAGCAACAGTGGCTCCCTGAGGACAGCTGGCTGGTGGCCCTG
GCTGGGGCATGATCAGCAGCATAGCCGTGGTGTGTCGTCATGACTCCCTTCGATGTGGTCAACACGGC
TATAAATCAGCCGGTGGACACAGCTGGCAGGGGCCAGCTCTATGGGGCCTCACCGACTGCATGGTGAA
GATCTGGCGGCAGGAGGGCCCCCTGGCACTCTACAAGGGCCTGGGCCCGCCTACCTGCGCTGGCCCC
CACACCATCTCAGCATGCTTCTGGGACGAGCTTCGAAACTGGCTGGCGGGCCAGCACAAAGGCA
CC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC207061 protein sequence
Red=Cloning site Green=Tags(s)

```
METVPPAVDLVLGASACCLACVFTNPLEVVKTRLQLQGELQARGTYPRPYHGFIASVAAVARADGLWGLQ
KGLAAGLLYQGLMNGVRFYCYSACQAGLTQQPGTVVAGAVAGALGAFVGSPAYLIKTQLQAQTVAAVA
VGHQHNHQTVLGALETIWRQQGLLGLWQGVGGVPRVMVGSAAQLATFASAKAWVQKQWLPEDSWLVAL
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HTILSMLFWDELRLKLAGRAQHKGKT
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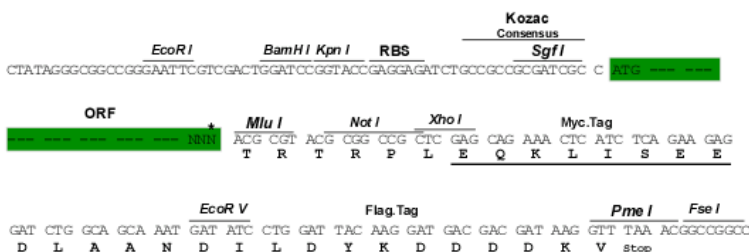
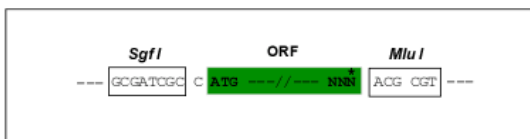
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6527_h07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_207348

ORF Size: 912 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.

RefSeq: [NM_207348.3](#)

RefSeq Size: 3172 bp

RefSeq ORF: 915 bp

Locus ID: 284723

UniProt ID: [Q6PIV7](#)

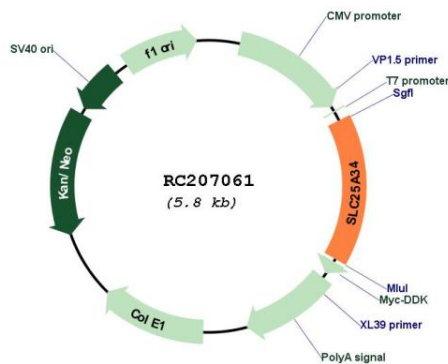
Cytogenetics: 1p36.21

Protein Families: Transmembrane

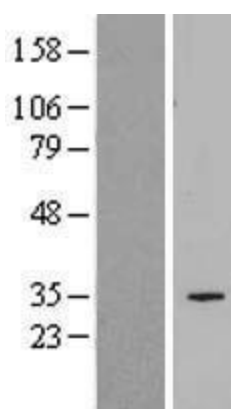
MW: 32.2 kDa

Gene Summary: SLC25A34 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC207061



Western blot validation of overexpression lysate (Cat# [LY403973]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207061 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).