

## Product datasheet for **RR200309**

### Slc7a2 (NM\_001134686) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a2 (NM_001134686) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc7a2
Synonyms:	Cat2; Cat2a; Cat2b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR200309 representing NM\_001134686  
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCCGCATCGCC

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Protein Sequence: >RR200309 representing NM\_001134686  
 Red=Cloning site Green=Tags(s)

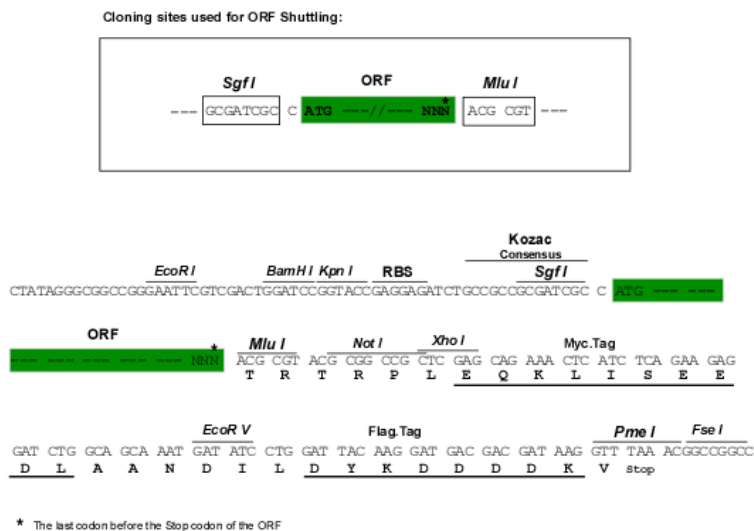
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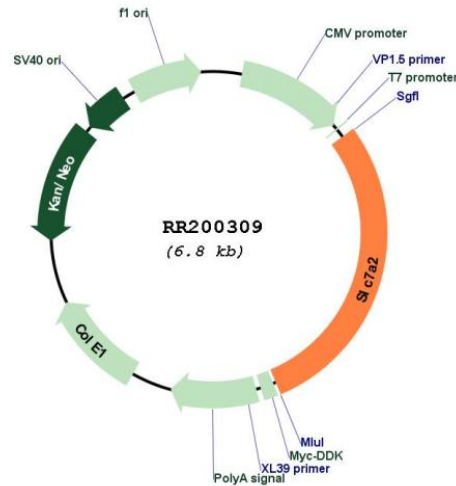
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001134686

ORF Size: 1974 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\\_001134686.2](#), [NP\\_001128158.1](#)

RefSeq Size:	2500 bp
RefSeq ORF:	1977 bp
Locus ID:	64554
UniProt ID:	<u>B5D5N9</u>
Cytogenetics:	16q12.1
MW:	71.6 kDa
Gene Summary:	a glomerular cationic amino acid transporter which transports L-Arginine [RGD, Feb 2006]