

## Product datasheet for **MR204318**

### Slc7a6os (NM\_001007567) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a6os (NM_001007567) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc7a6os
Synonyms:	2010007L18Rik; 2400002F02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204318 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCCGGCAGGACTGCGGTGTTGCGCGTGAAGCGGAAGCGCAACCGGAGCCCGCGAGGCGCTCG  
TGCTGGCCTGTAACGCCCGGAGCAGCGAGGTCGAGTCGGCGGCTCGGGAGACGCCAGAGGGCCAGGA  
AGCGGGCGCGCGGAGAGAAATGTCTCCAGTTGGTTGCCACCGTGCATCCAGGAGGAGCCAATCCAG  
CAGCTTGTGCGGGCTGCCTTGCGCCGTCGCGGAGCAGCCAGCTGCGTATCCGCCGATCTTCGTGCCT  
CGGTGCGCGAGGTCGGTAAAGAGGGCCGCTACAGGTTGGTCTCCAGCCACCGATCCTCGGAACTCGAA  
CAGTTTGGAGCCTCAGTGTGGTCAAGCTGTGCGGGATGCGGGCTTCCAGTTGTTGGACTGGTCCAC  
GAGGAGGAAAACCCAGAGGCTGCTGCCACCGACTGCCGCAAAACATCTGATCCAGATGTGATCCTCTGCA  
ATTCTGTAGAGTTGATCCGTGAGAGGCTGACTGTATCCGAGGATGGATCCCAAGTAAACCACCAGGAGGA  
CCCAAAGCACAATGACGACTATGTATATGACATTTACTATATGGAGATGGCCCTCCAGGTTGGATTGAG  
AACATCATGTCCGTGCAGCCCTACAGCCAGGAATGGGAGCTGGTAAATGATGATGAGCAGTCAGAAGATA  
TTTATGAAGATGAAGATGATGAAAACAGTAAAATAACTGGCGGAATGAGTACCCGGATGAAGAAAGCAG  
TGATAGAGATGAAGATTCAGAGGCTCTGATGAATACAACAGCCCTCAGCGAGGAGGAAAGAGCTGCGAG  
CGACTGATGTGGAGCAAGTACCCTTTGGATGTACAAAAGGAGTTTGACTATGACAGCCCCATGGTCTGG  
ATTCAGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR204318 protein sequence  
Red=Cloning site Green=Tags(s)

MEAGRTAVLRVKRKRNAEPAEALVLACKRPRSSEVESAAARETPEGQEA AAAAERNVFLVATVRSQEEPIQ  
 QLVRAALRPSRSSQLRIRRDLRASVREVRKEGRYRVVSSHRSSTNSLEPQCGSEAVGDAGFQLLDLVH  
 EEENPEAAATDCRKTSDPDVILCNSVELIRERLTVSEDSQVNHQEDPKHNDYVYDIYMEMAPPGWIE  
 NIMSVQPYSQEWELVNDDEQSEDIYEDEDDENSENNWRNEYPDEESSDRDEDSRGSDEYNLSSEEERSCE  
 RLMWSKYPLDVQKEFDYDSPHGLDSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001007567

**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.

**RefSeq:** [NM\\_001007567.1](#), [NP\\_001007568.1](#)

**RefSeq Size:** 1525 bp

**RefSeq ORF:** 921 bp

**Locus ID:** 66432

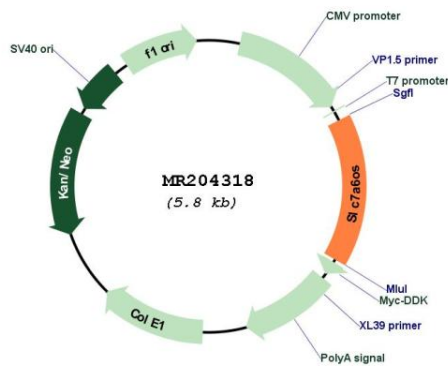
**UniProt ID:** [Q7TPE5](#)

**Cytogenetics:** 8 D3

**MW:** 35 kDa

**Gene Summary:** Directs RNA polymerase II nuclear import.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR204318