

## Product datasheet for RC203691

### SLC7A6OS (NM\_032178) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC7A6OS (NM_032178) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC7A6OS
Synonyms:	lwr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203691 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCCGCCAGGACCGCTGTACTCCGGGTGAAGCGGAAGCGCAGTGCAGGAGCCGGGAGGCTCTTG  
TGCTCGCTTGTAAACGCCTCCGGAGCGACGCGGTCGAGTCAGCGGCACAGAAGACGTCGGAGGATTTGGA  
GAGAGCGCGGAGAATAATGTCTCCACTTGGTGGCCACTGTGTGCTCCAGGAGGAACCACTCCAGCCT  
CTCCTGCGGGAAGTTCTGCGCCCGTCACGGGACAGCCAGCAGCGTGTCCGCCGTAATCTCCGCGCCTCGG  
CTCGGGAGGTCCGGCAGGAGGGCCGCTACCGGGTCTTTCCAGCCGCGATCCTTGGGACCACCTCGAG  
CGCCAGGAGTCCGAGTACACGCCGGGAACCCAGAAGCCGCGGGAACCTCGGGCTTTCAGTTGTTAGAC  
CTTGTCACAGGAGGGAGAACCCTGAAGCCGCTCTGCAGGCTCCTGCAAAACATCTGACCCAGATGTGA  
TCCTCTGCAATTCTGTAGAGTTGATCCGTGAGCGATTGACTGTGTCTGAGGATGGACCAGGAGTCAGGCG  
CCAGGAAGAACAACACGATGACTATGTGTATGACATTTACTACTTGGAGACGCCACTCCAGGCTGG  
ATTGAGAACATCCTCTCCGTGCAGCCCTACAGCCAAGAATGGGAGCTGGTGAATGATGATCAAGAACCAG  
AGGACATTTACGACGATGAAGATGACGAGAACAGTGAATAACTGGCGCAATGAGTACCCAGAGGAGGA  
GAGCAGTGATGGAGATGAGGATTCAGAGGCTCTGCTGACTACAACAGCCTGAGTGAGGAGGAAAGAGGC  
AGCAGCAGACAGCGGATGTGGCAAGTACCCTCTGGATGTGCAGAAGGAGTTCGGCTATGACAGCCCC  
ACGACCTGGATTCAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC203691 protein sequence  
Red=Cloning site Green=Tags(s)

MEAARTAVLRVKRKRSAEPAEALVLACKRLRSDAVESAAQKTSIDLERAENNVFHLVATVCSQEEPVQP  
 LLREVLRPSRDSQQRVRRNLRASAREVRQEGRYRVLSSRRSLGTTSSGQSEYTPGNPEAAGNSGFQLLD  
 LVHEEGEPEAASAGSCKTSDPDVILCNSVELIRERLTVSEDPGVRREQEQQHDDYVYDIYYLETATPGW  
 IENILSVQPYSQEWELVNDDQEPEDIYDDEDDENSENNWRNEYPEEESDGDDEDSRGSADYNSLSEEERG  
 SSRQRMWSKYPLDVQKEFGYDPSPHDLSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6538\\_g06.zip](https://cdn.origene.com/chromatograms/mk6538_g06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_032178

**ORF Size:** 927 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\\_032178.3](#)

**RefSeq Size:** 1642 bp

**RefSeq ORF:** 930 bp

**Locus ID:** 84138

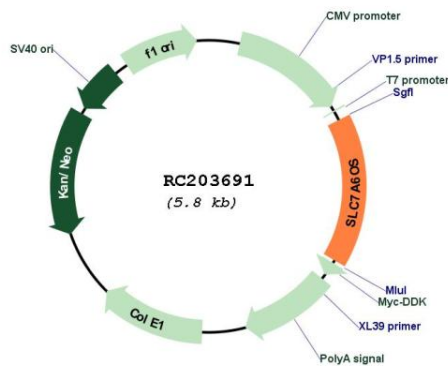
**UniProt ID:** [Q96CW6](#)

**Cytogenetics:** 16q22.1

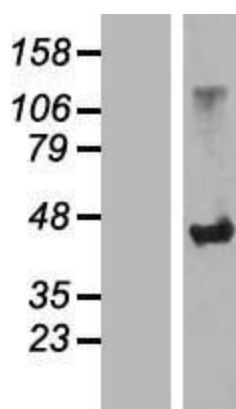
**MW:** 35.1 kDa

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

**Product images:**



Circular map for RC203691



Western blot validation of overexpression lysate (Cat# [LY410304]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203691 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).