

## Product datasheet for **RC210494**

### SLC26A7 (NM\_052832) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC26A7 (NM_052832) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC26A7
Synonyms:	SUT2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC210494 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGACAGGAGCAAAGAGGAAAAAGAAAGCATGCTTTGGAGCAAGATGCATACCCCCAGTGTGAAGACA  
TTATACAGTGGTGTAGAAGGCGACTGCCATTTGGATTGGGCACCACATTACAATCTGAAAGAAAACCT  
GCTCCAGACACTGTGTCTGGGATAATGTTGGCAGTTCACAGGTGACCCAAGGATTGGCCTTTGCTGTT  
CTCTCATCTGTGCACCCAGTGTGGTTTATATGGGTCTCTGTTTCTGCCATAATTTATGCCATATTTG  
GAATGGGACATCATGTTGCCACAGGCACCTTGCCTTGACATCCTTAATATCAGCCAACGCCGTGGAACG  
GATTGTCCCTCAGAACATGCAGAATCTCACCACACAGAGTAACACAAGCGTGTGGGCTTATCCGACTTT  
GAAATGCAAAGGATCCACGTTGCTGCAGCAGTTTCTTCTGGGAGGTGTGATTCAGGTGGCCATGTTTG  
TGCTGCAACTGGCAGTGCCACATTTGGTGCACAGACCTGTGATCAGCGCAATGACAACCTGGGCTGC  
CACCCATGTGGTACTTACAAGTCAAATATCTCTGGGAATGAAATGCCATATATATCCGGACCACTT  
GGATTCTTTTATATTTATGCATATGTTTTGAAAACATCAAGTCTGTGCGACTGGAAGCATTGCTTTTAT  
CCTTGCTGAGCATTGTGGTCTTGTCTTGTAAAGAGCTGAATGAACAGTTTAAAGGAAAATTAAGT  
TGTTCTTCTGTAGATTTAGTTTGTATTGCTGCATCATTTGCTTGTATTGCACCAATATGAAAAAC  
ACATATGGATTAGAAGTAGTTGGTCATATCCACAAGGAATCCCTCACCTAGAGCTCCCCGATGAACA  
TCCTCTGCGGTGATCACTGAAGCTTTCGGAGTGGCAGTTGTAGGCTATGTGGCCTCACTGGCTTTGC  
TCAAGGATCTGCCAAAAAATTCAAATATCAATTGATGACAACCAGGAATTTTGGCCATGGCCTCAGC  
AATATAGTTTCTCATTTTTCTTCTGCATACCAAGTGTGCTGCCATGGGAAGGACGGCTGGCCTGTACA  
GCACAGGAGCGAAGACACAGGTGGCTTGTCTAATATCTTGCATTTTCGTCCTTATAGTCATCTATGCAAT  
AGGACCTTTGCTTACTGGCTGCCCATGTGTCTTGCAGCATTATTGTTGTGGGACTGAAGGGAATG  
CTAATACAGTTCGAGATTTAAAAAATATTGGAATGTGGATAAAATCGATTGGGGAATATGGGTACGTA  
CATATGTATTTACAATATGCTTTGCTGCCAATGTGGGACTGCTGTTTGGTGTGTTGTACCATAGCTAT  
AGTGATAGGACGCTTCCCAAGAGCAATGACTGTAAGTATAAAAAATGAAAGAAATGGAATTTAAAGTG  
AAGACAGAAATGGACAGTGAACCCTGCAGCAGGTGAAAATTATCTCAATAAACAACCCGCTTGTTTTCC  
TGAATGCAAAAAAATTTATACTGATTTAATGAACATGATCCAAAAGGAAAATGCCTGTAATCAGCCACT  
TGATGATATCAGCAAGTGTGAACAAAACACATTGCTTAATCCCTATCCAATGGCAACTGCAATGAAGAA  
GCTTACAGTCTGCCCTAATGAGAAGTGTATTTAATCCTGGATTGCAGTGGATTTACCTTTTTGACT  
ATTCTGGAGTCTCCATGCTTGTGAGGTTTACATGGACTGTAAAGGCAGGAGTGGATGTATTGTTAGC  
CCATTGTACAGCTTCTTGATAAAAGCAATGACGTATTATGGAACCTAGACTCAGAGAAAACCAATTTTT  
TTTGAATCGGTATCTGCTGCAATAAGTCATATCCATTCAAATAAGAATTTGAGCAAACCTCAGTGACCACA  
GTGAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210494 protein sequence  
 Red=Cloning site Green=Tags(s)

MTGAKRKKKSM LWSKMHTPQCEDI IQWCRRLPILDWAPHYNLKENLLPDTVSGIMLAVQQVTQGLAFAV  
 LSSVHPVFGLYGS LFP AI IY AIFGMGHHVATGTFALTSLISANAVERIVPQNMQNLTTQSNTSVLGLSDF  
 EMQRIHVAAAVSFLGGVIQVAMFVLQLGSATFVVTPEPVISAMTTGAATHVVT SQVKYLLGMKMPYISGPL  
 GFFYIYAYVFENIKSVRLEALLSLLSIVVLVLVKELNEQFKRKIKVVL PVDLVLIIAASFACYCTNMEN  
 TYGLEVVGHIPQGIPSPRAPPMNILSAVITEAFGVALVGYVASLALAAQGS AKKFKYSIDDNQEFLAHGLS  
 NIYSSFFFCIPSAAMGRTAGLYSTGAKTQVACLISCFVLIYIYAIGPLLYWLP MCVLASIIIVGLKGM  
 LIQFRDLKKYWNVDKIDWGIWVSTYVFTICFAANVGLLFGVVCTIAIVIGRFP RAMTVS IKNM KEMEFKV  
 KTEMDSETLQQVKIISINNPLVFLNAKKFYDLMNMIQKENACNQLDDISKCEQNTLLNSL SNGNCNEE  
 ASQSCPNEKCYLILDCSGFTFFDYSGVSMLVEVYMDCKGRSVDVLLAHCTASLIKAMTY YGNLDSEKPIF  
 FESVSAATSHIHSNKLSKLS DHSEV

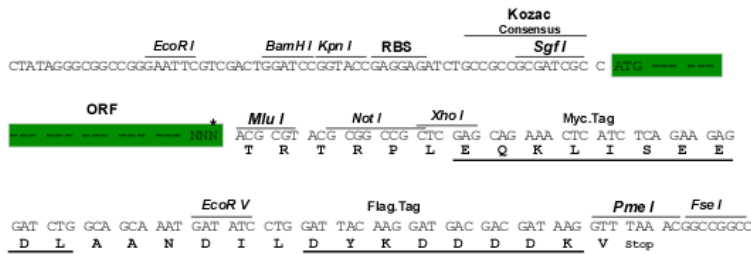
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6682\\_a01.zip](https://cdn.origene.com/chromatograms/mk6682_a01.zip)

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



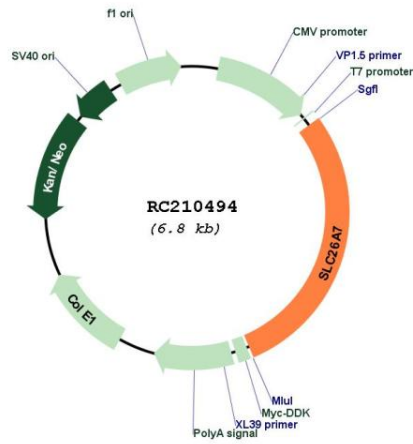
\* The last codon before the Stop codon of the ORF

ACCN: NM\_052832

ORF Size: 1968 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_052832.4</a>
<b>RefSeq Size:</b>	5296 bp
<b>RefSeq ORF:</b>	1971 bp
<b>Locus ID:</b>	115111
<b>UniProt ID:</b>	<a href="#">Q8TE54</a>
<b>Cytogenetics:</b>	8q21.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	72.2 kDa
<b>Gene Summary:</b>	<p>This gene is one member of a family of sulfate/anion transporter genes. Family members are well conserved in gene structure and protein length yet have markedly different tissue expression patterns. This gene has abundant and specific expression in the kidney. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Aug 2013]</p>

Product images:



Circular map for RC210494