

## Product datasheet for **RC237596**

### SLC39A7 (NM\_001288777) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC39A7 (NM\_001288777) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** SLC39A7  
**Synonyms:** D6S115E; D6S2244E; H2-KE4; HKE4; KE4; RING5; ZIP7  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237596 representing NM\_001288777  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACGACCTGCACGACGATCTGCAAGAGGACTTCCATGGCCACAGCCACAGTGCTGATCTCAGCAGCTC  
CATTTTTTGTCTCTTCCCTATCCCGTGGAGTCGAACTCTCCCGGCATCGCTCTACTTCAGATCTT  
GCTCAGTTTTGCTCCGGTGGGCTCCTGGGAGATGCTTTCCTGCACCTCATTCTCATGCTTTGAACCT  
CATTCTCACCACTCTGGAGCAACCCGGACATGGACACTCCACAGTGGCCAGGGCCCCATTCTGTCTG  
TGGGACTGTGGGTTCTCAGTGGAATTGTTGCCTTTCTGTCTGGAGAAATTTGTGAGACATGTGAAAGG  
AGGACATGGTCACAGTCATGGACATGGACACGCTCACAGTCATACACGTGGAAGTCATGGACATGGAAGA  
CAAGAGCGTTCTACCAAGGAGAAGCAGAGCTCAGAGGAAGAAGAAAGGAAACAAGAGGGTTTCAGAAGA  
GGCGAGGAGGGAGCACAGTACCCAAAGATGGGCCAGTGAGACCTCAGAACGCTGAAGAAGAAAAAGAGG  
CTTAGACCTGCGTGTGTCGGGTACCTGAATCTGGCTGCTGACTTGGCACACAATTCAGTATGGTCTG  
GCCATTGGGGCTTCCTTTCGAGGGGGCCGGGACTAGGGATCCTGACCACAATGACTGCCTGCTACATG  
AAGTGCCCCACGAGGTCGGAGACTTTGCCATCTTGGTCCAGTCTGGCTGCAGCAAAAAGCAGGCGATGCC  
TCTGCAACTACTGACAGCAGTAGGGGCACTGGCAGGCACAGCCTGTGCCCTTCTCACTGAAGGAGGAGCA  
GTGGGCAGTAAAATTGCAGGTGGTGCAGGTCTGGCTGGGTCCTGCCATTTACTGCAGGTGGCTTTATCT  
ACGTAGCAACAGTGTCTGTGTTGCCGAGCTGCTGAGGGAGGCATCACCATTGCAATCACTTCTGGAGGT  
GCTGGGGCTGCTGGGGGAGTTATCATGATGGTCTGATTGCCACCTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237596 representing NM\_001288777  
 Red=Cloning site Green=Tags(s)

MTTCTTICKRTSMATATVLI SAAPFFVLFLIPVESNSPRHRSLLQILLSFASGGLLGDAFLHLIPHALEP  
 HSHHTLEQPGHGHSHSGQPILSVGLWVLSGIVAFVVEK FVRHVKGGHGHSHGHGHAHSHTRGSHGHGR  
 QERSTKEKQSSEEEEEKETRGVQKRRGGSTVPKDGVPVRQNAEEERGLDLRVSGYLNLAADLAHNF TDGL  
 AIGASFRGGRGLGILTTMTVLLHEVPHEVGDFAILVQSGCSKKQAMRLQLLTAVGALAGTACALLTEGGA  
 VGSEIAGGAGPGWVLPFTAGGF IYVATVSVLPPELLREASPLQSLLEVLGLLGGVIMMVLIAHLE

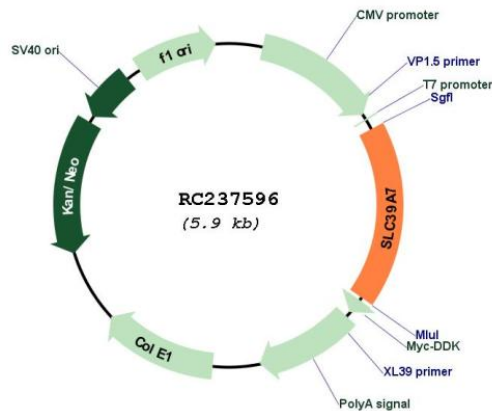
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001288777

**ORF Size:** 1032 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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_001288777.2</a>
<b>RefSeq Size:</b>	1888 bp
<b>RefSeq ORF:</b>	1035 bp
<b>Locus ID:</b>	7922
<b>UniProt ID:</b>	<a href="#">Q92504</a>
<b>Cytogenetics:</b>	6p21.32
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	36.8 kDa
<b>Gene Summary:</b>	The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved in cancer progression. Therefore, modulation of the encoded protein could be useful as a therapeutic agent against cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]