

## Product datasheet for SC335490

### SLC39A7 (NM\_001288777) Human Untagged Clone

#### Product data:

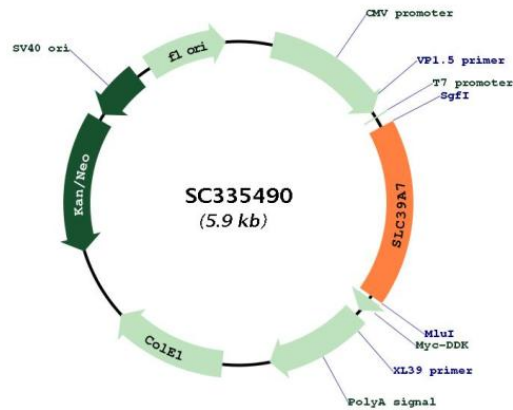
Product Type:	Expression Plasmids
Product Name:	SLC39A7 (NM_001288777) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A7
Synonyms:	D6S115E; D6S2244E; H2-KE4; HKE4; KE4; RING5; ZIP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335490 representing NM_001288777. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACGACCTGCACGACGATCTGCAAGAGGACTTCCATGGCCACAGCCACAGTGCTGATCTCAGCAGCT
CCATTTTTTGCTCTTCTTATCCCGTGGAGTCGAACTCTCCCGGCATCGCTCTCTACTTCAGATC
TTGCTCAGTTTTGCTTCCGGTGGGCTCCTGGGAGATGCTTCTGCACCTCATTCTCATGCTCTTGAA
CCTCATTCTCACCACACTCTGGAGCAACCCGGACATGGACACTCCCACAGTGGCCAGGGCCCCATTCTG
TCTGTGGGACTGTGGTTCTCAGTGAATTGTTGCCTTCTTGTCTGGAGAAATTTGTGAGACATGTG
AAAGGAGGACATGGTACAGTCATGGACATGGACACGCTCACAGTCATACACGTGGAAGTCATGGACAT
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CAGAAGAGGCGAGGAGGGAGCACAGTACCCAAAGATGGGCCAGTGAACCTCAGAACCTGAAGAAGAA
AAAAGAGGCTTAGACCTGCGTGTGTCGGGTACCTGAATCTGGCTGCTGACTTGGCACACAACCTCACT
GATGGTCTGGCCATTGGGGCTTCTTTCGAGGGGGCCGGGACTAGGGATCCTGACCACAATGACTGTC
CTGCTACATGAAGTGCCCAAGAGTGGGAGACTTTGCCATCTTGGTCCAGTCTGGCTGCAGCAAAAAG
CAGGCGATGCGTCTGCAACTACTGACAGCAGTAGGGGACTGGCAGGCACAGCCTGTGCCCTTCTCACT
GAAGGAGGAGCAGTGGGCAAGTAAATTCAGGTGGTGCAGTCTGGCTGGGTCTGCCATTTACTGCA
GGTGGCTTATCTACGTAGCAACAGTGTCTGTGTGTTGCCGAGCTGCTGAGGGAGGCATCACCATTGCAA
TCATTTCTGGAGGTGCTGGGGCTGCTGGGGGAGTTATCATGATGGTGTGATTGCCACCTTGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001288777

**Insert Size:** 1035 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001288777.1](#)

**RefSeq Size:** 1888 bp

**RefSeq ORF:** 1035 bp

**Locus ID:** 7922

**UniProt ID:** [Q92504](#)

**Cytogenetics:** 6p21.32

**Protein Families:** Transmembrane

**MW:** 36.3 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which contains a shorter N-terminus, compared to isoform 1.