

Product datasheet for **SC317773**

SLC39A7 (NM_006979) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | SLC39A7 (NM_006979) 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) |



[View online »](#)

Fully Sequenced ORF: >SC317773 representing NM_006979.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

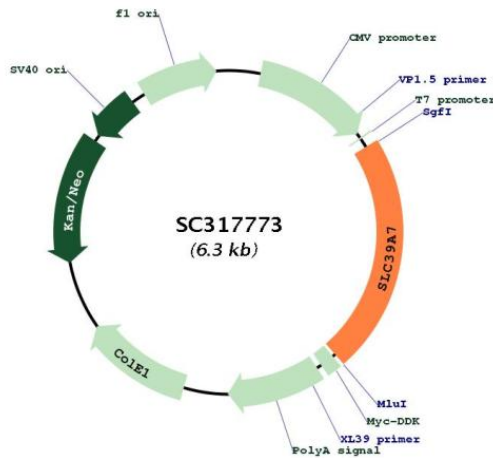
```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGCCAGAGGCCTGGGGCCCCCACTGGGTGGCCGTGGGACTGCTGACCTGGCGACCTTGGGGCTT
CTGGTGGCTGGACTCGGGGTCATGACGACCTGCACGACGATCTGCAAGAGGACTTCCATGGCCACAGC
CACAGGCACTCACATGAAGATTTCCACCATGGCCACAGCCATGCCATGGCCATGGCCACACTCACGAG
AGCATCTGGCATGGACATACCCACGATCACGACCATGGACATTACATGAGGATTTACACCATGGCCAT
AGCCATGGCTACTCCCATGAGAGCCTCTACCACAGAGGACATGGACATGACCATGAGCATAGCCATGGA
GGCTATGGGGAGTCTGGGGCTCCAGGCATCAAGCAGGACCTGGATGCTGTCACTCTCTGGGCTTATGCA
CTGGGGGCCACAGTGTGATCTCAGCAGCTCCATTTTTGTCTTCTTATCCCCGTGGAGTCGAAC
TCTCCCCGCATCGTCTCTACTTCAGATCTTGCTCAGTTTTGCTTCCGGTGGGCTCTGGGAGATGCT
TTCTGCACCTCATTCTCATGCTTTGAACCTCATTCTACCACACTCTGGAGCAACCCGGACATGGA
CACTCCCACAGTGGCCAGGGCCCCATTCTGTCTGTGGACTGTGGTTCTCAGTGAATTGTTGCCTTT
CTTGTCGTGGAGAAATTTGTGAGACATGTGAAAGGAGGACATGGTCACAGTCATGGACATGGACAGCT
CACAGTCATACCGTGAAGTCATGGACATGGAAGACAAGAGCGTTCTACCAAGGAGAAGCAGAGCTCA
GAGGAAGAAGAAAAGAAACAAGAGGGGTTCAGAAGAGGCGAGGAGGGAGCACAGTACCCAAAGATGGG
CCAGTGAGACCTCAGAACGCTGAAGAAGAAAAAGAGGCTTAGACCTGCGTGTGTCGGGGTACCTGAAT
CTGGCTGCTGACTTGGCACACAACCTCACTGATGGTCTGGCCATTGGGGCTTCTTTTCGAGGGGGCCGG
GGACTAGGGATCTGACCACAATGACTGTCTGCTACATGAAGTGCCCAACGAGGTGGAGACTTTGCC
ATCTTGGTCCAGTCTGGCTGCAGCAAAAAGCAGGCGATGCGTCTGCAACTACTGACAGCAGTAGGGGCA
CTGGCAGGCACAGCCTGTGCCCTTCTCACTGAAGGAGGAGCAGTGGGCAGTGAATTCAGTGGTGA
GGTCTGGCTGGGTCCTGCCATTTACTGACAGTGGCTTTATCTACGTAGCAACAGTGTCTGTGTTGCC
GAGCTGCTGAGGGAGGCATCACCATGCAATCACTTCTGGAGGTGCTGGGGCTGTGGGGGAGTTATC
ATGATGGTGTGATTGCCACCTTGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
```

Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN: NM_006979

Insert Size: 1410 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). |
| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none"> 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: | <u>NM_006979.2</u> |
| RefSeq Size: | 2475 bp |
| RefSeq ORF: | 1410 bp |
| Locus ID: | 7922 |
| UniProt ID: | <u>Q92504</u> |
| Cytogenetics: | 6p21.32 |
| Domains: | Zip |
| Protein Families: | Transmembrane |
| MW: | 50.1 kDa |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same protein.</p> |