

Product datasheet for **SC320653**

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-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006979.2
 GCGGGACTGCCACGTCCAAGCAAACCGGGAAAGGAGAGGATCCCGGAGCCGCGTGATGGC
 CAGAGGCTGGGGGCCCCCACTGGGTGGCCGTGGGACTGCTGACCTGGGCGACCTTGGG
 GCTTCTGGTGGCTGGACTCGGGGTCATGACGACCTGCACGACGATCTGCAAGAGGACTT
 CCATGGCCACAGCCACAGGCACTCACATGAAGATTTCCACCATGGCCACAGCCATGCCCA
 TGGCCATGGCCACACTCACGAGAGCATCTGGCATGGACATACCCACGATCACGACCATGG
 ACATTACATGAGGATTTACACCATGGCCATAGCCATGGCTACTCCCATGAGAGCCTCTA
 CCACAGAGGACATGGACATGACCATGAGCATAGCCATGGAGGCTATGGGGAGTCTGGGGC
 TCCAGGCATCAAGCAGGACCTGGATGCTGTCACTCTCTGGGCTTATGCACTGGGGCCAC
 AGTGCTGATCTCAGCAGTCCATTTTTTGTCTCTTCTTATCCCCGTGGAGTCGAACTC
 TCCCCGGCATCGCTCTCTACTTCAGATCTTGCTCAGTTTTGCTCCGGTGGGCTCCTGGG
 AGATGCTTTCCTGCACCTCATTCTCATGCTCTTGAACCTCATTCTACCACACTCTGGA
 GCAACCCGGACATGGACACTCCACAGTGGCCAGGGCCCCATTCTGTCTGTGGGACTGTG
 GGTCTCAGTGAATTGTTGCCTTTCTTGTCTGGAGAAATTTGTGAGACATGTGAAAGG
 AGGACATGGTCACAGTCATGGACATGGACACGCTCACAGTCATACACGTGGAAGTCATGG
 ACATGGAAGACAAGAGCGTTCTACCAAGGAGAAGCAGAGCTCAGAGGAAGAAGAAAAGGA
 AACAAAGAGGGGTTTCAAGAGGGCAGGAGGGAGCACAGTACCCAAAGATGGGCCAGTGAG
 ACCTCAGAACGCTGAAGAAGAAAAAGAGGCTTAGACCTGCGTGTGTCGGGGTACCTGAA
 TCTGGCTGCTGACTTGGCACACAACCTCACTGATGGTCTGGCCATTGGGGCTTCTTTTCG
 AGGGGGCCGGGGACTAGGGATCTGACCACAATGACTGTCTGTACATGAAGTGCCCCA
 CGAGGTCGGAGACTTTGCCATCTTGGTCCAGTCTGGCTGCAGCAAAAAGCAGGCGATGGC
 TCTGCAACTACTGACAGCAGTAGGGGCACTGGCAGGCACAGCCTGTGCCCTTCTCACTGA
 AGGAGGAGCAGTGGCAGTGAATTTGCAGTGGTGCAGTCTGGCTGGGTCCTGCCATT
 TACTGCAGGTGGCTTTATCTACGTAGCAACAGTGTCTGTGTTGCCCGAGCTGCTGAGGGA
 GGCATCACCAATTGCAATCACTTCTGGAGGTGCTGGGGCTGCTGGGGGAGTTATCATGAT
 GGTGCTGATTGCCACCTTGAGTGAGGGGTGGATAAACTACCCCTGCCCAAACCTCTAC
 CCCTAACTCCAGGTCAGGGGTGCGTAGAGGTTGGGGGCCCTGGCCAGGGACATCTGCCAA
 AGGAAGGAACTGTAGCCTGGGAGAATGGTACTTTGGCATTAGGGCCTTCAAGGGCTGGC
 AGTCTTACAGAGGCTGGAGCGGTGAGAATGAGAGGCCAGAGGGACCATAGTGTGGGCAC
 TGTCTGACCATGTTGCATTTGGAAGGCTAAATGGGGCCATGAAGAAGGCTGGAAGGGACA
 GGGGGTGATGGCAGCCTACCTGGTGTCCCCTACCCACCTGTTCTCGGAGAACCAAGTTG
 CTACACAGGAAGTTCTCCAAGGTCCAGTTTCTTTCTCCACAGTTGGTGGAGGCTTCA
 GGAAGACCAGAGTCTTGACAGAGAGGGTAACAGGAGGAGTCGGGGATAAACATCAAAC
 ATCAATCGTGTGCTGATTTGGGAGTGATTGGGGGGATGGGGTGGGAGAGGGTTAGTTG
 GTATTCTCATGGCCTGATTTTTTTTGTCTATTCTTTTATATCACTGTGTTTGAATCG
 AGGGGGAGGGGTGGTAACCGGAAATAAGACCTCCGATCTTCCGCCCCAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006979

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, NP_008910.2</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
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>