

Product datasheet for **SC115802**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115802 sequence for NM_006979 edited (data generated by NextGen Sequencing)

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ATGGCCAGAGGCCTGGGGCCCCCACTGGGTGGCCGTGGGACTGCTGACCTGGGCGACC
TTGGGGCTTCTGGTGGCTGGACTCGGGGTCATGACGACCTGCACGACGATCTGCAAGAG
GACTTCCATGGCCACAGCCACAGGCACTCACATGAAGATTTCCACCATGGCCACAGCCAT
GCCCCATGGCCATGGCCACACTCACGAGAGCATCTGGCATGGACATAACCCACGATCACGAC
CATGGACATTCACATGAGGATTTACACCATGGCCATAGCCATGGCTACTCCCATGAGAGC
CTCTACCACAGAGGACATGGACATGACCATGAGCATAGCCATGGAGGCTATGGGGAGTCT
GGGGCTCCAGGCATCAAGCAGGACCTGGATGCTGTCACTCTCTGGGCTTATGCACTGGGG
GCCACAGTGTGATCTCAGCAGCTCCATTTTTTGTCTCTTCTTATCCCCGTGGAGTCG
AACTCTCCCCGGCATCGCTCTCTACTTCAGATCTTGCTCAGTTTTGCTTCCGGTGGGCTC
CTGGGAGATGCTTCTGCACCTCATTCTCATGCTCTTGAACCTCATTCTACCACACT
CTGGAGCAACCCGGACATGGACACTCCACAGTGGCCAGGGCCCCATTCTGTCTGTGGGA
CTGTGGGTTCTCAGTGAATTGTTGCCTTTCTTGTCTGGAGAAATTTGTGAGACATGTG
AAAGGAGGACATGGTCACAGTCATGGACATGGACAGCTCACAGTCATACACGTGGAAGT
CATGGACATGGAAGACAAGAGCGTTCTACCAAGGAGAAGCAGAGCTCAGAGGAAGAAGAA
AAGGAAACAAGAGGGGTTTCAAGAGAGGCGAGGAGGGAGCACAGTACCCAAAGATGGGCCA
GTGAGACCTCAGAACGCTGAAGAAGAAAAAGAGGCTTAGACCTGCGTGTGTCGGGGTAC
CTGAATCTGGCTGCTGACTTGGCACACAACCTCACTGATGGTCTGGCCATTGGGGCTTCC
TTTCGAGGGGGCCGGGACTAGGGATCTGACCACAATGACTGTCCTGTACATGAAGTG
CCCCACGAGGTCGGAGACTTTGCCATCTTGGTCCAGTCTGGTGCAGCAAAAAGCAGGGC
ATGCGTCTGCAACTACTGACAGCAGTAGGGGCACTGGCAGGCACAGCCTGTGCCCTTCTC
CTGAAGGAGGAGCAGTGGGCAGTGAATTCAGGTGGTGCAGGTCCTGGCTGGGCTGCTG
CCATTTACTGCAGTGGCTTTATCTACGTAGCAACAGTGTCTGTGTTGCCGAGCTGCTG
AGGGAGGCATCACCATGCAATCACTTCTGGAGGTGCTGGGGCTGCTGGGGGAGTTATC
ATGATGGTGTGATTGCCACCTTGAGTGA
    
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Clone variation with respect to NM_006979.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_006979 unedited

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NGTCACCATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACCAGGGATCCCGGA
GCCGGTGAGAATCTCTGTTTTTCTCTACCATCCTTTCCAGGCCTTTTCTCACCTAAT
GAGTCGTAGAGACGAGGGCCAGAGAGTCTGTAAGTGGCTGGTGAAGATTAGTGTCC
AGGGCCCTACATCCGGGAGGTGGTTCGGGATAAAGAGAAGTCTTGGGAACAATGTAG
GTGGGAACCTAAGGGAATGGGAGAGCGGCCATAGAGTGGACGGAGGGCGCGATTGGAG
TAAAGCGGACCCTGTGTAGGTATAGAGTTGAGTCAAGTGGAGTCACTGCCTCTGTCCCTC
TGGTCAGCGTGATGGCCAGAGGCTGGGGCCCCCACTGGGTGGCCGTGGGACTGCTGA
CCTGGGGGACCTTGGGGCTTCTGGTGGCTGGACTCGGGGTCATGACGACCTGCACGACG
ATCTGCAAGAGGACTTCCATGGCCACAGCCACAGGCACTCACATGAAGATTTCCACCATG
GCCACAGCCATGCCATGGCCATGGCCACACTCACGAGAGCATCTGGCATGGACATAACC
ACGATCACGACCATGGACATTCACATGAGGATTTACACCATGGCCATAGCCATGGCTACT
CCCATGAGAGCCTCTACCACAGAGGACATGGACATGACCATGAGCATAGCCATGGAGGCT
ATGGGGAGTCTGGNGCTCCAGGCATCAAGCAGGACCTGGATGCTGTCACTCTCTGGGCTT
ATGCACCTGGGGCCACAGTGTGATCTCAGCAGCTCCATTTTTTGTCTTCTTATCC
CCGTGGAGTCGAACTCTCCCGGCATCGCTTACTTTCAGACTTGCTCAGTTTGTCTCCGG
TGGGCTCTGGAGATGCTTCTGCACTCATTCTCAGCTCTGAACCTCATCTACACCTCT
    
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Restriction Sites: NotI-NotI
ACCN: NM_006979
Insert Size: 2500 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:	<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:	NM_006979.1 , NP_008910.1
RefSeq Size:	2358 bp
RefSeq ORF:	1290 bp
Locus ID:	7922
UniProt ID:	Q92504
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>