

Product datasheet for **SC325173**

SLC39A5 (NM_001135195) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC39A5 (NM_001135195) Human Untagged Clone
Tag: Tag Free
Symbol: SLC39A5
Synonyms: LZT-Hs7; MYP24; ZIP5
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001135195, the custom clone sequence may differ by one or more nucleotides

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ATGATGGGGTCCCCAGTGAGTCATCTGCTGGCCGGCTTCTGTGTGGTTCGTCTTGGGC
TGGGTAGGGGGCTCAGTCCCCAACCTGGGCCCTGCTGAGCAGGAGCAGAACCATTACCTG
GCCCAGCTGTTTGGCCTGTACGGCGAGAATGGGACGCTGACTGCAGGGGGCTTGGCGCG
CTTCTCCACAGCCTGGGGCTAGGCCGAGTTCAGGGGCTTCGCCTGGGACAGCATGGGCC
CTGACTGGACGGGCTGCATCCCCAGCTGCAGACAATCCACACACAGGCCACAGAACCCT
GAGCTGAGTGTGGATGTCTGGGCAGGGATGCCTCTGGGTCCTCAGGGTGGGGTACCTG
GAAGAGTCAAAGGCCCTCACCTACCCCGTGGGCCAGCCCTCGGGCCTGGACCTCCTT
CACAGGCTTCTGTGCTGGACCACTCATTGGCTGACCACCTGAATGAGGATTGTCTGAAC
GGCTCCCAGCTGCTGGTCAATTTGGCTTGAGCCCGCTGCTCCTCTGACCCCTCGTCAG
TTTGCTCTGCTGTGCCAGCCCTGCTTTATCAGATCGACAGCCGCGTCTGCATCGGGCT
CCGGCCCTGCACCCCAAGGGATCTACTATCTGCCCTGCTTCAGAGTGCCTGGCAGTC
CTGTTGCTCAGCCTCCCTTCTCCCTATCCCTGCTGCTGCTGCGGCTCCTGGGACCTCGT
CTACTACGGCCCTTGCTGGGCTTCTGGGGCCCTGGCGGTGGGCACTCTTTGTGGGGAT
GCACTGCTACATCTGCTACCGCATGCACAAGAAGGGCGGCACGCAGGACCTGGCGGACTA
CCAGAGAAGGACCTGGGCCCGGGGCTGTCAGTGTCTCGGAGGCCTTTCTGCTCTTTGTG
CTGGAGAACATGCTGGGGCTTTTGGCGCACCGAGGGCTCAGGCCAAGATGCTGCAGGCGA
AAACGAAGGAATCTCGAAACACGCAACTTGATCCGGAGAATGGCAGTGGGATGGCCCTT
CAGCCCTACAGGCAGCTCCAGAGCCAGGGGCTCAGGGCCAGAGGGAGAAGAAGCCAG
CACCCACAGCTCTGGCCCTCCTGGGCACCAAGGCCACAGTCATGGGCACCAAGGTTGGC
ACTGATACACGTGGATGGTCTCCTGGGAGATGGTCTACACAACCTCACTGATGGGCTG
GCCATAGGTGCTGCCTTCTGTATGGCTTCTCCAGCGGCCTCAGTACCACCTTAGCGGTC
TTCTGCCATGAGCTGCCACGAACTGGGTGACTTTGCCATGCTGCTCCAGTCAGGGCTG
TCCTTTGGCGGCTGCTGCTGCTGAGCCTCGTGTCTGGAGCCCTGGGATTGGGGGTGCA
GTCTGGGGTGGGGCTCAGCCTGGGCCCTGTCCCTCACTCCCTGGGTGTTTGGGGTC
ACTGCTGGGGTCTTCTCTATGTGGCCCTTGTGGACATGTACCAAGCCCTGCTTCGTCCT
CCGGAGCCCTGCCTACGCCCATGTGCTCCTGCAGGGGCTGGGGCTGCTGCTGGGGGGC
GGCCTCATGCTTGCCATAACCCTGCTGGAGGAGCGGCTACTGCCCGTGACCCTGAGGGC

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Restriction Sites: Please inquire



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ACCN:	NM_001135195
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_001135195.1</u> , <u>NP_001128667.1</u>
RefSeq Size:	1985 bp
RefSeq ORF:	1623 bp
Locus ID:	283375
UniProt ID:	<u>Q6ZMH5</u>
Cytogenetics:	12q13.3
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene belongs to the ZIP family of zinc transporters that transport zinc into cells from outside, and play a crucial role in controlling intracellular zinc levels. Zinc is an essential cofactor for many enzymes and proteins involved in gene transcription, growth, development and differentiation. Mutations in this gene have been associated with autosomal dominant high myopia (MYP24). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>