

Product datasheet for SC316752

SLC39A6 (NM_001099406) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC39A6 (NM_001099406) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC39A6
Synonyms:	LIV-1; ZIP6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316752 representing NM_001099406. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCATCCAGGTTCCGCTGAATGCAACAGAGTTCAACTATCTCTGTCCAGCCATCATCAACCAAATT
GATGCTAGATCTTGTCTGATTACACAAGTAAAAAGAAGGCTGAAATCCCTCCAAAGACCTATTCATTA
CAAATAGCCTGGGTTGGTGGTTTTATAGCCATTTCCATCATCAGTTTCCTGTCTCTGTGGGGTTATC
TTAGTGCCTCTCATGAATCGGGTGTTCCTCAATTTCTCCTGAGTTTCCTTGTGGCACTGGCCGTTGGG
ACTTTGAGTGGTGTGCTTTTTACACCTTCTCCACATTCATGCAAGTCACCACCATAGTCATAGC
CATGAAGAACCAGCAATGAAATGAAAAGAGGACCACTTTTCAGTCATCTGTCTTCTCAAACATAGAA
GAAAGTGCCTATTTTATTCCACGTGGAAGGGTCTAACAGCTCTAGGAGGCCTGTATTTTCATGTTTCTT
GTTGAACATGTCCTCACATTGATCAAACAATTTAAAGATAAGAAGAAAAAGAATCAGAAGAAACCTGAA
AATGATGATGATGTGGAGATTAAGAAGCAGTTGTCCAAGTATGAATCTCAACTTTCAACAATGAGGAG
AAAGTAGATACAGATGATCGAAGTGAAGGCTATTTACGAGCAGACTCACAAAGAGCCCTCCCACTTTGAT
TCTCAGCAGCCTGCAGTCTTGAAGAAGAAGAGGTCATGATAGCTCATGCTCATCCACAGGAAGTCTAC
AATGAATATGTACCCAGAGGGTGAAGAATAAATGCCATTCACATTTCCACGATACACTCGGCCAGTCA
GACGATCTCATTACCACCATCATGACTACCATCATATTCTCCATCATCACCACCACCAAAACCACCAT
CCTCACAGTCACAGCCAGCGCTACTCTCGGGAGGAGCTGAAAGATGCCGGCGTCGCCACTCTGGCCTGG
ATGGTGATAATGGGTGATGGCCTGCACAATTTACGCGATGGCCTAGCAATTGGTGTGCTTTTACTGAA
GGCTTATCAAGTGGTTAAGTACTTCTGTGTGCTGTGTTCTGTGATGAGTTGCCTCATGAATTAGGTGAC
TTTGCTGTTTACTAAAGGCTGGCATGACCCTAAGCAGGCTGTCCTTTATAATGCATTGTCAGCCATG
CTGGCGTATCTTGAATGGCAACAGGAATTTTCATTGGTCATTATGCTGAAAATGTTTCTATGTGGATA
TTTGCCTACTGCTGGCTTATTCATGTATGTTGCTCTGGTTGATATGGTAAGTTTTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_001099406
Insert Size:	1302 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:	NM_001099406.1
RefSeq Size:	1681 bp
RefSeq ORF:	1302 bp
Locus ID:	25800
UniProt ID:	Q13433
Cytogenetics:	18q12.2
Protein Families:	Druggable Genome, Transmembrane
MW:	48.6 kDa
Gene Summary:	<p>Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 3' UTR, and lacks exons in the 5' and 3' coding regions (compared to variant 1), resulting in the use of a downstream translation initiation codon. The encoded protein (isoform 2) is shorter at both the N- and C-termini, compared to isoform 1.</p>