

Product datasheet for **SC319286**

SDSL (NM_138432) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDSL (NM_138432) Human Untagged Clone
Tag:	Tag Free
Symbol:	SDSL
Synonyms:	cSDH; SDH 2; SDS-RS1; TDH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_138432.2

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CTGGTTCCCTGGCAGGCTGGAGGGCAGGAGCTGGGGCCACGCTGGTCTGGGATAGTTGGG
CAGGGAGACGGAGTCTCGATCTGTCAACCCAGGCTGGAGTGCAGTGGCACAACTTGGCTC
ACTGCAACCTCCGCCTCCCGGGTTCAAGTGATTCTCCTGCCTCAGCCTTCTGAGTAGCTG
GAATTACAGGCTGTCTACCTGGTCTCCAGAATGGACGGCCCTGTGGCAGAGCATGCCAAG
CAGGAGCCCTTTACGTGGTACACCTCTGTTGGAGAGCTGGGCGCTGTCCAGGTGGCG
GGCATGCTGTCTTCTCAAGTGTGAGAATGTGCAGCCAGCGGCTCCTTCAAGATTGCG
GGCATTGGGCATTTCTGCCAGGAGATGGCCAAGAAGGGATGCAGACACCTGGTGTGCTCC
TCAGGGGGTAATGCGGGCATCGTGTCTGCCTATGCTGCTAGGAAGCTGGGCATTCCTGCC
ACCATCGTGTCTCCCGAGAGCACCTCCCTGCAGGTGGTGCAGAGGCTGCAGGGGGAGGGG
GCCGAGGTTTCAGTGTGCTGAAAGGTCTGGGACGAGGCCAATCTGAGGGCGCAAGAGTTG
GCCAAGAGGGACGGCTGGGAGAAATGTCCCCCGTTTGACCACCCCTAATATGAAAGGC
CAGCCAGCCTGGTGCAGGAGCTGAAAGCAGTGTGAGGACCCCAACAGGTGCCCTGGTG
CTGGCAGTTGGGGGTGGGGGTCTCTGGCCGGGGTGGTGGCTGGCCTGCTGGAGGTGGGC
TGGCAGCATGTACCCATCATTGCCATGGAGACCCATGGGGCACACTGCTTCAATGCGGCC
ATCACAGCCGGCAAGCTGGTACACTTCCAGACATCACCAGTGTGGCCAAGAGCCTGGGT
GCCAAGACGGTGGCCGCTCGGGCCCTGGAGTGCATGCAGGTGTGCAAGATTCACTCTGAA
GTGGTGGAGGACACCGAGGCTGTGAGCGCTGTGCAGCAGCTCCTGGATGATGAGCGTATG
CTGGTGGAGCCTGCCTGTGGGGCAGCCTTAGCAGCCATCTACTCAGGCCCTCTGCGGAGG
CTCCAGGCCGAGGCTGCCTGCCCCCTTCCCTGACTTCAGTTGTGGTAATCGTGTGTGGA
GGCAACAACATCAACAGCCGAGAGCTGCAGGCTTTGAAACCCACCTGGGCCAGGTCTGA
GGGGTCCCATCTGGCCCCAAAGACCCCTGAGAGGCCCATGGACAGTCTGTGTCTGGAT
GAGGAGGACTCAGTGTGTCAGATGGCAGTGGAAGCTGCCCTGTGCAACTGTGCTGGCTG
CCTCCTGAAGGAAGCCCTCCTGGACTGCTTCTTTTGGCTCTCCGACAACCTCCGGCCAATA
AACACTTTCTGAATTGAAAAAAAAAAAAAAAAAAAA
  
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Restriction Sites: Please inquire


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ACCN:	NM_138432
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:	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_138432.2, NP_612441.1</u>
RefSeq Size:	1414 bp
RefSeq ORF:	990 bp
Locus ID:	113675
UniProt ID:	<u>Q96GA7</u>
Cytogenetics:	12q24.13
Domains:	PALP
Gene Summary:	Has low serine dehydratase and threonine dehydratase activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.