

SBDS cDNA

Catalog Number: ATGD0129

PRODUCT INFORMATION

Catalog number

ATGD0129

Product type

cDNA

Species

Human

NCBI Accession No.

NP_057122.2

Alternative Names

CGI-97, SDS, SWDS

mRNA Refseq

NM_016038.2

OMIM

607444

Chromosome location

7q11.21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

753bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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SBDS encodes a member of a highly conserved protein family that exists from archaea to vertebrates and plants. The encoded protein may function in RNA metabolism. Mutations within this gene are associated with Shwachman-Bodian-Diamond syndrome. An alternative transcript has been described, but its biological nature has not been determined. This gene has a closely linked pseudogene that is distally located.

DATA

Sequence nucleotides

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ATGTCTGATCTTACACCCACCAACCAGATCCGCCTAACCAATGTGGCCGTGGTACGGATGAAGCGTGCCGGGAAGCGCTTC
GAAATCGCCTGCTACAAAAACAAGGTCGTCGGCTGGCGGAGCGGCGTGGAAAAAGACCTCGATGAAGTTCTGCAGACCCA
CTCAGTGTTTGTAATGTTTCTAAAGGTCAGGTTGCCAAAAAGGAAGATCTCATCAGTGCGTTTGGAACAGATGACCAAAC
GAAATCTGTAAGCAGATTTTGAATAAAGGAGAAGTTCAAGTATCAGATAAAGAAAGACACACAACTGGAGCAGATGTTTA
GGGACATTGCAACTATTGTGGCAGACAAATGTGTGAATCCTGAAACAAAGAGACCATAACCGTGATCCTTATTGAGAGAGC
CATGAAGGACATCCACTATTCGGTGAAAACCAACAAGAGTACAAAACAGCAGGCTTTGGAAGTGATAAAGCAGTTAAAAGA
GAAAATGAAGATAGAACGTGCTCACATGAGGCTTCGGTTCATCCTTCCAGTCAATGAAGGCAAGAAGCTGAAAGAAAAGCT
CAAGCCACTGATCAAGGTCATAGAAAGTGAAGATTATGGCCAACAGTTAGAAATCGTATGTCTGATTGACCCGGGCTGCTTC
CGAGAAATTGATGAGCTAATAAAAAAGGAACTAAAGGCAAAGGTTCTTTGGAAGTACTCAATCTGAAAGATGTAGAAGAAG
GAGATGAGAAATTTGAATGA
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Transaction Sequence

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MSIFTPTNQI RLTVAVVRM KRAKRFIEA CYKNKVVGR SGVEKDLDEV LQTHSVFVNV SKGQVAKKED LISAFGTDDQ
TEICKQILTK GEVQVSDKER HTQLEQMRD IATIVADKCV NPETKRPTV ILIERAMKDI HYSVKNKST KQQALEVIKQ
LKEKMKIERA HMRLRFILPV NEGKKLKEKL KPLIKVIESE DYQQQLEIVC LIDPGCFREI DELIKKETKG KGSLEVLNLK
DVEEGDEKFE
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