

Product datasheet for **RG210535**

SDS3 (SUDS3) (NM_022491) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDS3 (SUDS3) (NM_022491) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SDS3
Synonyms:	SAP45; SDS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210535 representing NM_022491 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGCCGCGGGGCTGCTGGCCCCGGCCCCGGCCAGGCTGGAGCGCCGCGGCCCCGAGTACTACC
 CCGAGGAGGATGAAGAGCTGGAGAGCGCCGAGGACGACGAGCGCAGCTGTCGGGGCCGCGAGTCGGACGA
 AGACACTGAGGATGCTAGTGAACTGACCTGGCAAAGCATGATGAAGAAGACTATGTAGAAATGAAGGAA
 CAGATGTATCAGGACAACTGGCTTCTCTCAAGAGGCAGTTGCAACAACGCAAGAAGGTACATTACAGG
 AATATCAGAAGAGAATGAAAAACTAGATCAGCAGTACAAAGAGAGGATACGGAATGCAGAACTCTTCCT
 CCAGCTGGAACTGAACAAGTGAACGAAATTACATTAAAGAAAAGAAGGCAGCAGTGAAAGAATTTGAA
 GACAAGAAGGTTGAGCTGAAAGAGAACCTGATTGCTGAGCTAGAAGAAAAGAAGAAATGATTGAAAATG
 AAAAGCTGACAATGGAAGTGAAGTGGAGATTCTATGGAGGTGAAACCTATCATGACCAGAAAGTTGCGGAG
 GCGACCAATGATCCCGTCCCCATCCCAGACAAGAGGAGGAAACCTGCTCCAGCCAGCTAACTATTTG
 TTAACAGATGAACAGATCATGGAGGATCTGAGAACATTAATAAGCTTAAGTCACCCAAGAGACCAGCAT
 CTCCATCCTCTCCTGAGCACTTGCTGCAACACCCGCGGAATCTCCAGCCAGAGGTTCTGAAGCTCGGAT
 AGAAGATGGCAAAGTGTACTATGACAAAAGATGGTACCACAAGAGCCAGGCCATCTATCTGGAGTCAAAG
 GACAACCAGAACTGAGCTGCGTGATCAGTTCTGTAGGAGCCAATGAGATCTGGGTGAGGAAGACAAGTG
 ACAGCACAAGATGAGGATCTACCTGGGCCAGCTTCAGCGCGGGCTCTTCGTGATCCGCCGCGCTCAGC
 TGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG210535 representing NM_022491
 Red=Cloning site Green=Tags(s)

MSAAGLLAPAPAQAGAPPAPEYYPEEDEELES AEDDERSCRGRESD ETDASETDLAKHDEEDYVEMKE
 QMYQDKLASLKRQLQQLQEGTLQEYQKRMKKLDQQYKERIRNAELFLQLETEQVERNYIKEKKA VKEFE
 DKKVELKENLIAELEKKKKMIENEKLT MELTGDSMEVKPIMTRKLRRRPNDPVPIPDKRRKPAPAQLNYL
 LTDEQIMEDLRTLNLKLSPKRPASPSSPEHL PATPAESPAQRFEARIEDGKLYYDKRWYHKSQAIYLESK
 DNQKLSCVISSVGANEIWVRKTS DSTKMRIYLGQLQRGLFVIRRRSAA

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022491

ORF Size: 984 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_022491.3](#)

RefSeq Size: 4728 bp

RefSeq ORF: 987 bp

Locus ID: 64426

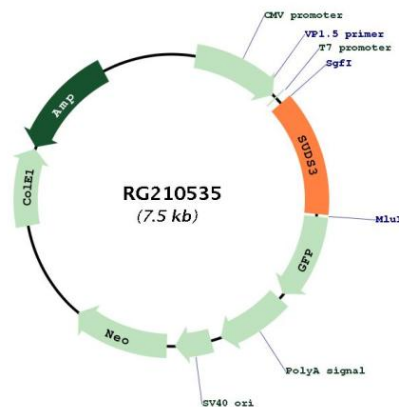
UniProt ID: [Q9H7L9](#)

Cytogenetics: 12q24.23

Protein Families: Transcription Factors

Gene Summary: SDS3 is a subunit of the histone deacetylase (see HDAC1; MIM 601241)-dependent SIN3A (MIM 607776) corepressor complex (Fleischer et al., 2003 [PubMed 12724404]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG210535