

Product datasheet for **RG226363**

SALL1 (NM_001127892) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SALL1 (NM_001127892) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SALL1
Synonyms:	HEL-S-89; HSAL1; Sal-1; TBS; ZNF794
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG226363 representing NM_001127892 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGACACAGTTAACAAAACAGATCAAGTGGACTGCAGCGACCTTTCAGAACAACCGGACTTGACA
GGGAAGAGTCCATGGAGGTGGAGGCCCGGTTGCTAACAAAAGCGGCAGCGGCACCTCCAGCGGCAGCCA
CAGCAGTACCGCCCAAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCGCGCGCGGCAGCTCCTCCACA
GGTACCTCAGCGATCACAACTCTCTACCTCAACTCGGGACCTGACAACACTGGGCAACTTCTCCGTAA
TCAACAGCAACGTCATCATCGAGAACCTCCAGAGCACCAAGGTGGCGGTGGCCAGTTCTCCAGGAAGC
GAGGTGCGCGGGGCCTCTGGGGCAAGCTGGCCGTCCCAGCCCTCATGGAACAACCTCTAGCTCTGCAG
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CCAGGCTCAGTCAAAGTGACTCCGGGGCCCTGAGTCAGCCACAAGAAACCTAGGTGGGCTCCCAGAGG
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TCACCCGCTTCGTGGAGGACAGCAAGGAGATCGTCACGAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226363 representing NM_001127892
 Red=Cloning site Green=Tags(s)

MNDTVNKTDQVDCSDLSEHNGLDREESMEVEAPVANKSGSGTSSGSHSSTAPSSSSSSSSSSGGGSSST
 GTSAITTSLPQLGDLTTLGNFSVINSNVIENLQSTKVAVAFSQEARCGGASGGKLAVPALMEQLLALQ
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 ASISGVKQLPPIQLPQSSSGNTIIPNSGSSPNMNILAAAVTTPSEKVASAGASHVSNPSSSSSSPA
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 PGSVKSDSGGPESATRNLLGGLPEEAEGSTLPPSGGKSEESGMVTVNSVPTASSSVLSSPAADCGPAGSATT
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 VPDSESEMSDTSFDEKNFDDLDFNFDENMEDCPEGSIPDTPKSADASQDSLSSPLPLEMSSIAALE
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 FHKSPSIEEKQRAVPSEFANGLSPTPVNGGALDLTSSHAEKI IKEDSLGILFPFRDRGKFKNTACDICC
 KTFACQSALDIHYRSHTKERPFICTVCNRGFSTKGNLKQHMLTHQMRDLPSQLFEPSSNLGPNQNSAIVP
 ANSLSSLIKTEVNGFVHVSPQSDKDTPTSHVPSGLSSSATSPVLLPALPRRTPKQHYCNTCGKTFSSSS
 ALQIHERHTGKPFACITCGRAFTTKGNLKVHMGTHMWNSTPARRRRLSVDGPMFTLGGNPVKFPEMF
 QKDLAARSGSGDPSSFWNQYAAALSNGLAMKANEISVIQNGGIPPIPGSLGSGNSSPVSLTGNLERLQN
 SEPNAFLAGLEKMASSENGTNFRFTRFVEDSKEIVTS

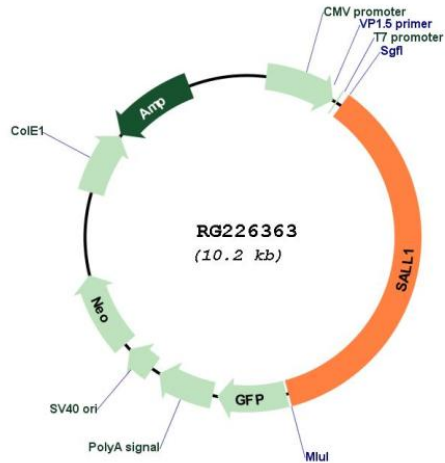
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001127892

ORF Size: 3681 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.

RefSeq: [NM_001127892.1](#), [NP_001121364.1](#)

RefSeq Size: 5253 bp

RefSeq ORF: 3684 bp

Locus ID: 6299

UniProt ID: [Q9NSC2](#)

Cytogenetics: 16q12.1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is a zinc finger transcriptional repressor and may be part of the NuRD histone deacetylase complex (HDAC). Defects in this gene are a cause of Townes-Brocks syndrome (TBS) as well as bronchio-oto-renal syndrome (BOR). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]