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Product datasheet for RG239764

SALL2 (NM_001291447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SALL2 (NM_001291447) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SALL2
Synonyms:	COLB; HSAL2; p150(Sal2); Sal-2; ZNF795
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

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ORF Nucleotide Sequence:

>RG239764 representing NM_001291447.
Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCACGAATCCGAGAGGAGCTCTCGTCTCGGGGTGCCCTGCGGGGAGCCGGCAGAGCTCGGAGGT
GATGCTAGCGAGGAGGATCACCCCCAAGTCTGTGCCAAGTGCTGCGCACAATTCACTGACCCAACTGAA
TTCCTCGCCCACCAGAACGCATGTTCTACTGACCCTCCTGTAATGGTGATAATTGGGGGCCAGGAGAAC
CCCAACAACTCTTCGGCCTCCTCTGAACCCCGGCCTGAGGGTCACAATAATCCTCAGGTCATGGACACA
GAGCATAGCAACCCCCCAGATTCTGGGTCCTCCGTGCCCACGGATCCCACCTGGGGCCCAGAGAGGAGA
GGAGAGGAGTCTTCAGGGCATTTCCTGGTCGCTGCCACAGGGGCAGAAACGCCCAAGCAGGCCTTCTTC
CACCTTTACCACCCACTGGGGTCACAGCATCCTTTCTCTGCTGGAGGGGTTGGGCGAAGCCACAAACCC
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CCAAGCACCACGGGACTACTGGCAGCACAGTGTCTTGGGGCAGCCCGAGGCCTTGAGGCCACTGCCTCC
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AAGCCTGGTGGAAGGCACAAATGCCGCTTCTGTGCCAAAGTATTTGGCAGTGACAGTGCCCTGCAGATC
CACCTTCGTTCCCACACGGGTGAGAGGCCCTATAAGTGCAATGTCTGTGGAAACCGTTTTACCACCCGT
GGCAACCTCAAAGTGCATTTCCACCGGCATCGTGAGAAGTACCCACATGTGCAGATGAACCCACACCCA
GTACCAGAGCACCTAGACTATGTCATTACCAGCAGTGGCTTGCCTTATGGTATGTCCGTGCCACCAGAG
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CCAATGGAGCAGGGAAGCAGTGGTGTTTTAGGAGGCAAGGAAGAGGGGGGCAAACCGGAGAGAAGCTCA
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AACCAGTATGTGGCATTCCTGTCAAATGGCCTGCCCATGAAGCCCTGGAATTCCAGCTCCACCTCCACT
ACCACTCCAAGCCTGGCCCCACCAGTGCTGTTTGGCCTAGGAACTGTGGCTGGGAAGGTGCCTCCAACA
ATGGGATCCAGGGAAGCCAAGGAGAAGACAGCCCCCCTCCTATTTCAGCCTCCTGCACCCAAGGCAGTG
CCTGAGAAGCCCATCATAGACAAGAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

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Protein Sequence:

>Peptide sequence encoded by RG239764
Blue=ORF Red=Cloning site Green=Tag(s)

MAHESERSSRLGVPCGEPAELGGDASEEDHPQVCAKCCAQFTDPTEFLAHQNACSTDPPVMVIIGGQEN
PNNSSASSEPRPEGHNNPQVMDTEHSNPPDSGSSVPTDPTWGPERRGEESSGHFLVAATGAETPKQAFF
HLYHPLGSQHPFSAGGVGRSHKPTPAPSPALPGSTDQLIASPHLAFPSTTGLLAAQCLGAARGLEATAS
PGLLKPKNGSGELSYGEVMGPLEKPGGRHKCRFCAKVFGSDSALQIHLRSHTGERPYKCNVCGNRFTTR
GNLKVHFHRHREKYPHVQMNPHPVPEHLDYVITSSGLPYGMSVPPEKAEEEAATPGGGVERKPLVASTT
ALSATESLTLLSTSAGTATAPGLPAFNKFVLMKAVEPKNKADENTPPGSEGSAISGVAESSTATRMQLS
KLVTSLPSWALLTNHFKSTGSFPFPYVLEPLGASPSETSKLQQLVEKIDRQGAVAVTSAASGAPTTSAP
APSSSASSGPNQCVICLRVLSCPRALRLHYGQHGGERPFKCKVCGRAFSTRGNLRAHFVGHKASPAARA
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EEELSEEEEEEDEEEEEDVTDEDSLAGRGSESGGGEKAISVRGDSEEASGAEEEVGTVAAAATAGKEMDS
NEKTTQQSSLPPPPPPDSLDQPQPMEQGSSGVLGGKEEGGKPERSSSPASALTPEGEATSVTLVEELSL
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NQYVAFLSNGLPMKPWNSSSTSTTTPSLAPPVLFGLGTVAGKVPPTMGSREAKEKTAPLLFQPPAPKAV
PEKPIIDKK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYYSSVVDSHMHFKSAIHPSILQNGGPMFA
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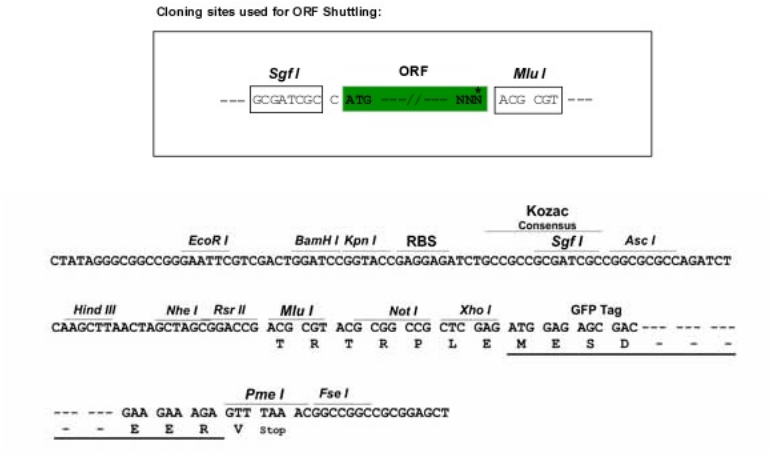
Restriction Sites: SgfI-MluI

Cloning Scheme:



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ACCN:	NM_001291447
ORF Size:	2718 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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).
RefSeq:	NM_001291447.2
RefSeq Size:	3948 bp
RefSeq ORF:	2721 bp
Locus ID:	6297
UniProt ID:	Q9Y467
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome
MW:	95.9 kDa
Gene Summary:	This gene encodes a protein containing multiple zinc finger domains. The encoded protein functions in optical fissure closure during development of the eye in the embryo. Mutations in this gene are associated with ocular coloboma. [provided by RefSeq, Jul 2016]

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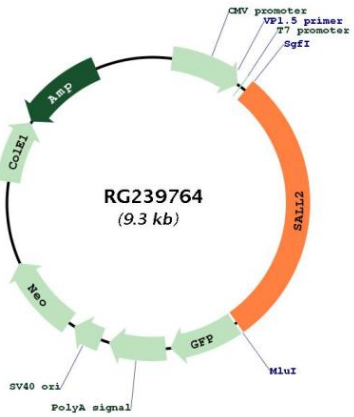
Product images:



Circular map for RG239764

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