OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG218639

SP110 (NM_004509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP110 (NM_004509) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SP110
Synonyms:	IFI41; IFI75; IPR1; VODI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG218639 representing NM_004509
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTCACCATGACAAGAGCCATGGAAGAGGCTCTTTTTCAGCACTTCATGCACCAGAAGCTGGGGATCG
CCTATGCCATACACAAGCCATTTCCCTTCTTTGAAGGCCTCCTAGACAACTCCATCATCACTAAGAGAAT
GTACATGGAATCTCTGGAAGCCTGTAGAAATTTGATCCCTGTATCCAGAGTGGTGCACAACATTCTCACC
CAACTGGAGAGGACTTTTAACCTGTCTCTTCTGGTGACATTGTTCAGTCAAATTAACCTGCGTGAATATC
CCAATCTGGTGACGATTTACAGAAGCTTCAAACGTGTTGGTGCTTCCTATGAACGGCAGAGCAGAGACAC
ACCAATCCTACTTGAAGCCCCAACTGGCCTAGCAGAAGGAAGCTCCCTCCATACCCCACTGGCGCTGCCC
CCACCACAACCCCCTCAACCAAGCTGTTCACCCTGTGCGCCAAGAGTCAGTGAGCCTGGAACATCCTCCC
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CCAGGAAGGAAGAAGCACTTCAGTGACCAATGACAAGTTAACATCCAAAATGAATGCGGAAGAAGACTCA
GAAGAGATGCCCAGCCTCCTCACTAGCACTGTGCAAGTGGCCAGTGACAACCTGATCCCCCAAATAAGAG
ATAAAGAAGACCCTCAAGAGATGCCCCACTCTCCCTTGGGCTCTATGCCAGAGATAAGAGATAATTCTCC
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GAAGCCAACAGTGCCATCATGTATCTAAGACCCTGGAGAGGCAGATGCAGCCTCAGGACCAGCTGATTCG
AGATTACGGTGAGCCCTTTCAGGAAGCAATGTGGTTGGACCTGGTTAAGGAAAGGCTGATTACGGAAATG
TACACGGTGGCATGGTTTGTGCGAGACATGCGCCTGATGTTTCGCAACCATAAAACATTTTACAAGGCTT
CTGACTTTGGCCAGGTAGGACTTGACTTAGAGGCAGAATTTGAAAAAGATCTCAAAGACGTGCTCGGTTT
TCATGAAGCCAATGACGGCGGTTTCTGGACTCTTCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

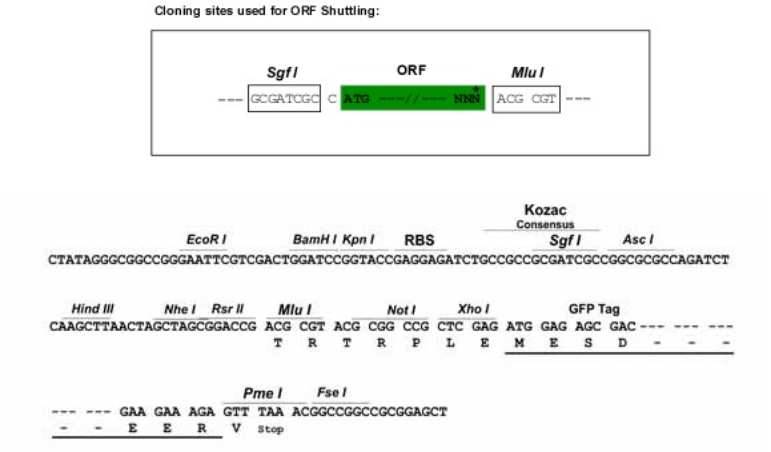
>RG218639 representing NM_004509
Red=Cloning site Green=Tags(s)

MFTMTRAMEEALFQHFMHQKLGIAYAIHKPFPFFEGLLDNSIITKRMYMESLEACRNLIPVSRVVHNILT
QLERTFNLSLLVTLFSQINLREYPNLVTIYRSFKRVGASYERQSRDTPILLEAPTGLAEGSSLHTPLALP
PPQPPQPSCSPCAPRVSEPGTSSQQSDEILSESPSPSDPVLPLPALIQEGRSTSVTNDKLTSKMNAEEDS
EEMPSLLTSTVQVASDNLIPQIRDKEDPQEMPHSPLGSMPEIRDNSPEPNDPEEPQEVSSTPSDKKGKKR
KRCIWSTPKRRHKKKSLPRGTASSRHGIQKKLKRVDQVPQKKDDSTCNSTVETRAQKARTECARKSRSEE
IIDGTSEMNEGKRSQKTPSTPRRVTQGAASPGHGIQEKLQVVDKVTQRKDDSTWNSEVMMRVQKARTKCA
RKSRSKEKKKEKDICSSSKRRFQKNIHRRGKPKSDTVDFHCSKLPVTCGEAKGILYKKKMKHGSSVKCIR
NEDGTWLTPNEFEVEGKGRNAKNWKRNIRCEGMTLGELLKRKNSDECEVCCQGGQLLCCGTCPRVFHEDC
HIPPVEAKRMLWSCTFCRMKRSSGSQQCHHVSKTLERQMQPQDQLIRDYGEPFQEAMWLDLVKERLITEM
YTVAWFVRDMRLMFRNHKTFYKASDFGQVGLDLEAEFEKDLKDVLGFHEANDGGFWTLP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004509

ORF Size: 2067 bp

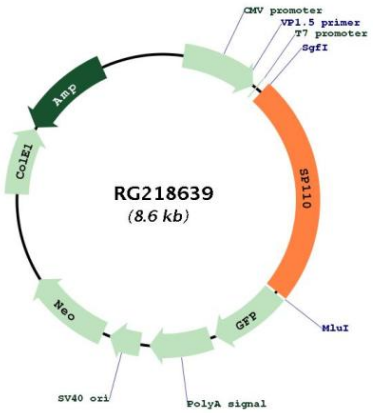
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_004509.2, NP_004500.2
RefSeq Size:	2359 bp
RefSeq ORF:	2070 bp
Locus ID:	3431
UniProt ID:	Q9HB58
Cytogenetics:	2q37.1
Domains:	SAND, BROMO, PHD, Sp100
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The nuclear body is a multiprotein complex that may have a role in the regulation of gene transcription. This gene is a member of the SP100/SP140 family of nuclear body proteins and encodes a leukocyte-specific nuclear body component. The protein can function as an activator of gene transcription and may serve as a nuclear hormone receptor coactivator. In addition, it has been suggested that the protein may play a role in ribosome biogenesis and in the induction of myeloid cell differentiation. Alternative splicing has been observed for this gene and three transcript variants, encoding distinct isoforms, have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218639