

Product datasheet for **RG230264**

SP110 (NM_001185015) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP110 (NM_001185015) 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)



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ORF Nucleotide Sequence:

>RG230264 representing NM_001185015
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAGGGCTTCAGGATGTTACCATGACAAGAGCCATGGAAGAGGCTCTTTTTCAGCACTTTCATGC
 ACCAGAAGCTGGGATCGCCTATGCCATACACAAGCCATTTCCCTTCTTTGAAGGCTCCTAGACAACCTC
 CATCATCACTAAGAGAATGTACATGGAATCTCTGGAAGCCTGTAGAAATTTGATCCCTGTATCCAGAGTG
 GTGCACAACATTCTACCCAACCTGGAGAGGACTTTAACCTGTCTCTTCTGGTGACATTGTTTCAGTCAAA
 TTAACCTGCGTGAATATCCCAATCTGGTGACGATTTACAGAAGCTTCAAACGTGTTGGTGCTTCTATGA
 ATGGCAGAGCAGAGACACCAATCCTACTTGAAGCCCCAACCTGGCCTAGCAGAAGGAAGCTCCCTCCAT
 ACCCCACTGGCGTGCCCCACCACAACCCCTCAACCAAGCTGTTACCCTGTGCGCCAAGAGTCAGTG
 AGCCTGGAACATCTCCAGCAAAGCGATGAGATCCTGAGTGAGTCGCCAGCCCATCTGACCCTGTCTCT
 GCCTCTCCCTGCACTCATCCAGGAAGGAAGAAGCACTTCACTGACCAATGACAAGTTAACATCCAAAATG
 AATGCGGAAGAAGACTCAGAAGAGATGCCAGCCTCCTCACTAGCACTGTGCAAGTGCCAGTGACAACC
 TGATCCCCCAAATAAGAGATAAAGAAGACCCTCAAGAGATGCCCACTCTCCCTGGGCTCTATGCCAGA
 GATAAGAGATAATTCTCCAGAACCAATGACCCAGAAGAGCCCCAGGAGGTGCCAGCACACCTTCAGAC
 AAGAAAGGAAAGAAAAGAAAAGATGTATCTGGTCAACTCCAAAAAGGAGACATAAGAAAAAAGCCTCC
 CAGGAGGGACAGCCTCATCTAGACACGGAATCCAAAAGAGCTCAAAGGGTGGATCAGGTTCTCAAAA
 GAAAGTGAAGTCAACTTGAACCTCACGGTAGAGACAAGGGCCAAAAGGCGAGAAGTGAATGTGCCCGA
 AAGTCGAGATCAGAGGAGATCATTGATGGCACTCAGAAATGAATGAAGGAAAGAGTCCCAAGAAGC
 CTAGTACACCACGAAGGGTCACACAAGGGCAGCCTCACCTGGGCATGGCATCCAAGAGAAGCTCCAAGT
 GGTGGATAAGGTGACTCAAAGGAAAGACGACTCAACCTGGAAGTCAAGAGTCAAGAGTCAAGAGTCCAAAAG
 GCAAGAAGTAAATGTGCCGAAAGTCCAGATTGAAAGAAAAGAAAAGGAAAGATATCTGTTCAAGCT
 CAAAAAGGAGATTTAGAAAAATATTCACCGAAGAGGAAAACCCAAAAGTGAAGTGTGGATTTTCACTG
 TTCTAAGCTCCCGTGACCTGTGGTGAGGCGAAAGGGATTTTATATAAGAAGAAAATGAAACACGGATCC
 TCAGTGAAGTGCATTGGAATGAGGATGGAAGTGGTTAACACCAATGAATTTGAAGTCGAAGGAAAAG
 GAAGGAACGCAAGAAGTGAACGGAATATACGTTGTGAAGGAATGACCCTAGGAGAGCTGCTGAAGAG
 TGGACTTTGCTCTGCTCCTCAAGAATAAATCTCAAGAGAGAGTTAAATAGCAAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230264 representing NM_001185015
 Red=Cloning site Green=Tags(s)

MGRGRMFTMTRAMEEALFQHFMHQKLGIAAYIHKPFPFFEGLLDNSIITKRYMESLEACRNLIPVSRV
 VHNILTQLERTFNLSELLVTLFSQINLREYPNLVTIYRSFKRVGASYEWQSRDTPILLEAPTGLAEGSSLH
 TPLALPPPQPPQSPSCAPRVSEPGTSSQQSDEILSESPSPDPVLPALIQEGRSTSVTNDKLTSMK
 NAEEDSEEMPSLLTSTVQVASDNLIPQIRDKEDPQEMPHSPLGSMPEIRDNSPEPNDPEEPQEVSTPSD
 KKGKRRKRCIWSTPKRRHKKSLPGGTASSRHGIQKLLKRVDPVQPKKDDSTCNSTVETRAQKARTECAR
 KSRSEEIIDGTSEMNEGKRSQKTPSTPRRVTQGAASPGHGIQEKLVVDKVTQRKDDSTWNSEVMMRVQK
 ARTKCARKSRLKEKKKEKDISSSKRRFQKNIHRRGPKKSDTVDFHCSKLPVTCGEAKGILYKKMKHGS
 SVKCIRNEDGTWLPNEFEVEGKGRNAKNWKRNIIRCEGRTLCELLKSGLLLCPPRINLKRRELSK

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001185015

ORF Size: 1665 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_001185015.2](#)

RefSeq Size: 2137 bp

RefSeq ORF: 1668 bp

Locus ID: 3431

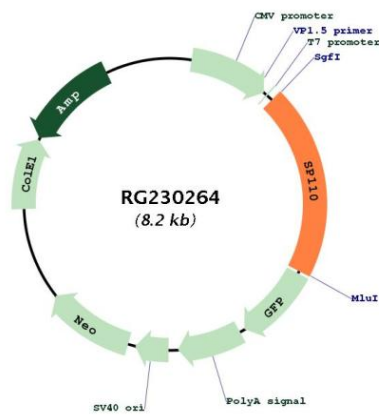
UniProt ID: [Q9HB58](#)

Cytogenetics: 2q37.1

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 RG230264