

Product datasheet for **SC321631**

SP110 (NM_004510) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP110 (NM_004510) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP110
Synonyms:	IFI41; IFI75; IPR1; VODI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004510.2
 GTTTTGCCTGCTAGCATCTCCCTGTAACCTCCCAATCTTGAGGAGTGATCCCTGTCCCA
 GCCCTGGAAAGGGGCAGGAACGACAACTCAAAGTCCAGGATGTTACCCATGACAAGAG
 CCATGGAAGAGGCTCTTTTTTCAGCACTTCATGCACCAGAAGCTGGGGATCGCCTATGCCA
 TACACAAGCCATTTCCCTCTTTGAAGGCCTCTAGACAACTCCATCATCACTAAGAGAA
 GTACATGGAATCTCTGGAAGCCTGTAGAAATTTGATCCCTGTATCCAGAGTGGTGCACA
 ACATTCTCACCCAACTGGAGAGGACTTTTAACCTGTCTCTTCTGGTGACATTGTTTCAGTC
 AAATTAACCTGCGTGAATATCCCAATCTGGTGACGATTTACAGAAGCTTCAAACGTGTTG
 GTGCTTCTATGAACGGCAGAGCAGAGACACCAATCCTACTTGAAGCCCACTGGCC
 TAGCAGAAGGAAGCTCCCTCCATACCCCACTGGCGCTGCCCCACCACAACCCCTCAAC
 CAAGCTGTTACCCCTGTGCGCCAAGAGTCAGTGAGCCTGGAACATCCTCCAGCAAAGCG
 ATGAGATCCTGAGTGAGTCGCCAGCCATCTGACCCTGTCTGCCTCTCCCTGCACTCA
 TCCAGGAAGGAAGAAGCACTTCAGTGACCAATGACAAGTTAACATCCAAAATGAATGCGG
 AAGAAGACTCAGAAGAGATGCCAGCCTCCTCACTAGCACTGTGCAAGTGGCCAGTGACA
 ACCTGATCCCCCAAATAAGAGATAAAGAAGACCCTCAAGAGATGCCCACTCTCCCTTGG
 GCTCTATGCCAGAGATAAGAGATAATTCTCCAGAACCAATGACCCAGAAGAGGCCCCAGG
 AGGTGTCCAGCACACCTTCAGACAAAGAAAGGAAAGAAAAGAAAAGATGTATCTGGTCAA
 CTCCAAAAGGAGACATAAGAAAAAAGCCTCCCAAGAGCCTTATCTAGACACGGAATCC
 AAAAGAAGCTCAAAGGGTGGATCAGGTTCTCAAAGAAAGATGACTCAACTTGTAACT
 CCACGGTAGAGACAAGGGCCCAAAGGGCAGAACTGAATGTGCCCGAAAGTCGAGATCAG
 AGGAGATCATTGATGGCACTTCAGAAATGAATGAAGGAAAGAGGTCCAGAAGACGCCTA
 GTACACCACGAAGGGTCACACAAGGGGCAGCCTCACCTGGGCATGGCATCCAAGAGAAGC
 TCCAAGTGGTGGATAAGGTGACTCAAAGGAAAGACGACTCAACCTGGAAGTCAAGAGTCA
 TGATGAGGGTCCAAAAGGCAAGAACTAAATGTGCCCGAAAGTCCAGATCGAAAGAAAAGA
 AAAAGGAGAAAGATATCTGTTCAAGCTCAAAAAGGAGATTTTCAGAAAAATATTCACCGAA
 GAGGAAAACCCAAAAGTACACTGTGGATTTTCACTGTTCTAAGCTCCCGTGACCTGTG
 GTGAGGCGAAAGGGATTTTATATAAGAAGAAAATGAAACACGGATCCTCAGTGAAGTGCA
 TTCGGAATGAGGATGGAAGTGGTTAACACCAAATGAATTTGAAGTGAAGGAAAAGGAA
 GGAACGCAAAGAACTGGAACGGAATATACGTTGTGAAGGAATGACCCTAGGAGAGCTGC
 TGAAGAGTGGACTTTTGTCTGTCTCCAAGAATAAATCTCAAGAGAGAGTTAAATAGCA
 AGTGAATTTCTACTACCCTCTCAGTCACCATGTTGCAGACTTTCCCTGTCTGGAGGCTCA
 CCTTAGAGCTTCTGAGTTTCCAAGCTCTGAGTCACCTCCACATTTGGGCATGGCATCTTC
 AAAACAATTAATTTGCATAGTTAATTTGGGATGGGGAAGCAAATGACTCTAAAATAAAAA
 TTAATGAAAAGCTCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004510

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_004510.2](#), [NP_004501.2](#)

RefSeq Size: 1962 bp

RefSeq ORF: 1650 bp

Locus ID: 3431

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]

Transcript Variant: This variant (b) uses an alternate exon for the 3' coding region and 3' UTR, as compared to variant c. The encoded protein (isoform b) has a shorter and distinct C-terminus and lacks the bromodomain when it is compared to isoform c.