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Product datasheet for SC328902

SP110 (NM_001185015) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SP110 (NM_001185015) Human Untagged Clone
Tag:	Tag Free
Symbol:	SP110
Synonyms:	IFI41; IFI75; IPR1; VODI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

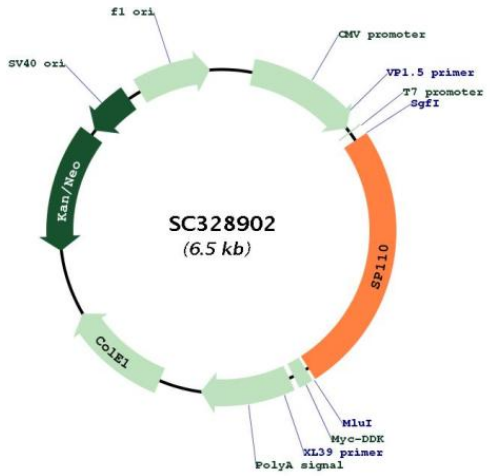
Fully Sequenced ORF:

>SC328902 representing NM_001185015.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGAGGGGCTTCAGGATGTTCACCATGACAAGAGCCATGGAAGAGGCTCTTTTTCAGCACTTCATG
CACCAGAAGCTGGGGATCGCCTATGCCATACACAAGCCATTTCCCTTCTTTGAAGGCCTCCTAGACAAC
TCCATCATCACTAAGAGAATGTACATGGAATCTCTGGAAGCCTGTAGAAATTTGATCCCTGTATCCAGA
GTGGTGCACAACATTCTCACCCAACTGGAGAGGACTTTTAACCTGTCTCTTCTGGTGACATTGTTCAGT
CAAATTAACCTGCGTGAATATCCCAATCTGGTGACGATTTACAGAAGCTTCAAACGTGTTGGTGCTTCC
TATGAATGGCAGAGCAGAGACACACCAATCCTACTTGAAGCCCCAACTGGCCTAGCAGAAGGAAGCTCC
CTCCATACCCCACTGGCGCTGCCCCCACCACAACCCCCTCAACCAAGCTGTTCACCCTGTGCGCCAAGA
GTCAGTGAGCCTGGAACATCCTCCCAGCAAAGCGATGAGATCCTGAGTGAGTCGCCCAGCCCATCTGAC
CCTGTCCTGCCTCTCCCTGCACTCATCCAGGAAGGAAGAAGCACTTCAGTGACCAATGACAAGTTAACA
TCCAAAATGAATGCGGAAGAAGACTCAGAAGAGATGCCCAGCCTCCTCACTAGCACTGTGCAAGTGGCC
AGTGACAACCTGATCCCCCAAATAAGAGATAAAGAAGACCCTCAAGAGATGCCCCACTCTCCCTTGGGC
TCTATGCCAGAGATAAGAGATAATTCTCCAGAACCAAATGACCCAGAAGAGCCCCAGGAGGTGTCCAGC
ACACCTTCAGACAAGAAAGGAAAGAAAAGAAAAAGATGTATCTGGTCAACTCCAAAAAGGAGACATAAG
AAAAAAAGCCTCCCAGGAGGGACAGCCTCATCTAGACACGGAATCCAAAAGAAGCTCAAAAGGGTGGAT
CAGGTTCCTCAAAAGAAAGATGACTCAACTTGTAACTCCACGGTAGAGACAAGGGCCCAAAAGGCGAGA
ACTGAATGTGCCCGAAAGTCGAGATCAGAGGAGATCATTGATGGCACTTCAGAAATGAATGAAGGAAAG
AGGTCCCAGAAGACGCCTAGTACACCACGAAGGGTCACACAAGGGGCAGCCTCACCTGGGCATGGCATC
CAAGAGAAGCTCCAAGTGGTGGATAAGGTGACTCAAAGGAAAGACGACTCAACCTGGAACTCAGAGGTC
ATGATGAGGGTCCAAAAGGCAAGAACTAAATGTGCCCGAAAGTCCAGATTGAAAGAAAAGAAAAAGGAG
AAAGATATCTGTTCAAGCTCAAAAAGGAGATTTCAGAAAAATATTCACCGAAGAGGAAAACCCAAAAGT
GACACTGTGGATTTTCACTGTTCTAAGCTCCCCGTGACCTGTGGTGAGGCGAAAGGGATTTTATATAAG
AAGAAAATGAAACACGGATCCTCAGTGAAGTGCATTCGGAATGAGGATGGAACTTGGTTAACACCAAAT
GAATTTGAAGTCGAAGGAAAAGGAAGGAACGCAAAGAACTGGAAACGGAATATACGTTGTGAAGGAATG
ACCCTAGGAGAGCTGCTGAAGAGTGGACTTTTGCTCTGTCCTCCAAGAATAAATCTCAAGAGAGAGTTA
AATAGCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001185015
Insert Size:	1668 bp
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_001185015.1
RefSeq Size:	2137 bp
RefSeq ORF:	1668 bp
Locus ID:	3431
UniProt ID:	Q9HB58
Cytogenetics:	2q37.1

Protein Families:	Druggable Genome, Transcription Factors
MW:	62.6 kDa
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 (d) has an alternate 5' sequence, lacks multiple 3' exons and has an alternate 3' exon, compared to variant c. The resulting protein (isoform d) has a longer N-terminus and a shorter and distinct C-terminus when it is compared to isoform c.