

Recombinant Human SP110

Cat. No. SP110-31432TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 271-380 of Human SP110 with an N terminal proprietary tag; Predicted MWt 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	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.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Highly expressed in peripheral blood leukocytes and spleen. Detected at intermediate levels in thymus, prostate, testis, ovary, small intestine and colon, and at low levels in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	TPSDKKGKKRKRCIWSTPKRRHKKKSLPRGTASSRHGIQK KLKRVDQVPQKKDDSTCNSTVETRAQKARTECARKSRSEE IIDGTSEMNEGKRSQKTPSTPRRVQTGAAS
Sequence Similarities	Contains 1 bromo domain.Contains 1 HSR domain.Contains 1 PHD-type zinc finger.Contains 1 SAND domain.

GENE INFORMATION

Gene Name	SP110 SP110 nuclear body protein [Homo sapiens]
Official Symbol	SP110
Synonyms	SP110; SP110 nuclear body protein; IFI41, IFI75, interferon induced protein 41, 30kD; sp110 nuclear body protein;
Gene ID	3431
mRNA Refseq	NM_001185015
Protein Refseq	NP_001171944
MIM	604457
Uniprot ID	Q9HB58

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Chromosome Location	2q37.1
Function	DNA binding; binding; metal ion binding; signal transducer activity; zinc ion binding;