

Recombinant Human SP140, His&FLAG-tagged

Cat. No. SP140-76H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SP140 corresponding to amino acids 688-862 that contains the bromodomain sequences of SP140 (accession number NP_009168.4) was expressed in E. coli and contains an N-terminal His tag and C-terminal FLAG tag with an observed molecular weight of 26.98 kDa.
Species	Human
Source	E.coli
ProteinLength	688-862 a.a.
Description	SP140 nuclear body protein (SP140) is a component of the nuclear body that may be involved in trafficking between the nucleus and the cytoplasm. SP140 contains one HSR domain, one PHD-type zinc finger, a bromodomain and one SAND domain. The bromodomain functions as a "reader" of epigenetic histone marks and regulates chromatin structure and gene expression by linking associated proteins to the recognized acetylated nucleosomal targets. SP140 may be involved in the pathogenesis of acute promyelocytic leukemia and viral infection.
Form	25 mM HEPES pH 7.5, 150 mM NaCl and 5% glycerol.
Applications	Binding assays, inhibitor screening, and selectivity profiling.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice

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when not in storage.

Concentration 3.2 mg/ml

GENE INFORMATION

Gene Name SP140 SP140 nuclear body protein [Homo sapiens]

Official Symbol SP140

Synonyms SP140; SP140 nuclear body protein; nuclear body protein SP140; LYSP100 A; LYSP100 B; speckled 140 kDa; nuclear autoantigen Sp-140; lymphoid-specific SP100 homolog; lymphoid-restricted homolog of Sp100; LYSP100; LYSP100-A; LYSP100-B; MGC126440;

Gene ID 11262

mRNA Refseq NM_001005176

Protein Refseq NP_001005176

MIM 608602

UniProt ID Q13342

Chromosome Location 2q37.1

Function DNA binding; binding; metal ion binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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