

Recombinant Full Length Human SP100 Protein

Cat. No. SP100-488HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SP100, isoform A with N terminal proprietary tag, 78.87 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	480 amino acids
Description	This gene encodes a subnuclear organelle and major component of the PML (promyelocytic leukemia)-SP100 nuclear bodies. PML and SP100 are covalently modified by the SUMO-1 modifier, which is considered crucial to nuclear body interactions. The encoded protein binds heterochromatin proteins and is thought to play a role in tumorigenesis, immunity, and gene regulation. Alternatively spliced variants have been identified for this gene; one of which encodes a high-mobility group protein.
Form	Liquid
Molecular Mass	78.870kDa inclusive of tags
AA Sequence	MAGGGGDLSTRRLNECISPVANEMNHLPAHSHDLQRMFTE DQGVDDRLLYDIVFK HFKRNKVEISNAIKKTFPFLEGLRD RDLITNKMFEQSQDSCRNLVPVQRVYVNLSE LEKTFNLP VLEALFSDVNMQEYPDLIHIYKGFENVHDKLPLQESEEE EREERSGLQ LSLEQGTGENSFRSLTWPPSGSPSHAGTTPP ENGLSEHPCETEQINAKRKDTTSDK

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DDSLGSQQTNEQCAQ KAEPTESCEQIAVQVNNGDAGREMPCLPCDEESPEAELH
 NHGIQINSCSVRLVDIKKEKPFNSKVEQCAQARTHNNQA SDIIVISSEDSEGSTDVD
 EPLEVFISAPRSEPVINNDNPL ESNDEKEGQEATCSRQIVPEPMDFRKLSTFRESF
 KKRVI GQDHDFSESSEEEAPAEASSGALRSKHGEKAPMTSRSTST WRIPSRKRRF
 SSSDFSDLSNGEELQETCSSSLRRGSGKED

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name SP100 SP100 nuclear antigen [Homo sapiens]

Official Symbol SP100

Synonyms SP100; SP100 nuclear antigen; nuclear antigen Sp100; nuclear autoantigen Sp-100

Gene ID 6672

mRNA Refseq NM_001080391

Protein Refseq NP_001073860

MIM 604585

UniProt ID P23497

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