



Human Sp100

Origin:	Recombinant	Cat. No.:	41A162
Tag:	N-terminal 6xHis	Size:	0.1 mg
Source:	<i>Spodopterafrugiperda</i> Sf9	Purity:	>90%
Other names:	Sp100	Species:	Human

Description

Expressed in insect Sf9 cells with total 903 AA. Mw: 103.4 KDa (calculated). N-terminal 6xHis-tag and TEV cleavage site, extra 25 AA (highlighted).

Recombinant antigen for research use or manufacturing only.

Introduction to the Molecule

Together with PML, Sp100 is a major constituent of the PML bodies, a subnuclear organelle involved in a large number of physiological processes including cell growth, differentiation and apoptosis.

Autoantibody against Sp100 are suggested as a significant role in the diagnosis of primary biliary cirrhosis.

Immunological Function

As an autoantigen, Sp100 binds with IgG-type human auto-antibodies.

Amino Acid Sequence

MSYYHHHHHHHDYDIPTTENLYFQGAAGGGGDLSTRRLNECISPVANEMNHLPAHSHDLQ
RMFTEDQGVDRLLYDIVFKHFKRNKVEISNAIKKTFPFLEGLRDRDLITNKMFEQSQDSCRNL
VPVQRVVYVNLVSELEKTFNLPVLEALFSDVNMQEYDPLIHYYKGFENVIHDKLPLQSEEEEEER
SGLQLSLEQGTGENSFRSLTWPPSGSPSHAGTTPPENGLSEHPCETEQINAKRKDTTSDKDDS
LGSQQTNEQCAQKAEPTECEQIAVQVNNGDAGREMPCLPCDEESPEAELHNNHGIQINSCSV
RLVDIKKEKPFNSKVECAQARTHHNQASDIIVISSEDSEGSTDVDEPLEVFISAPRSEPVINN
DNPLESNDEKEGQEATCSRQIVPEPMDFRKLSTFRESFKKRVIGQDHFSESSEEEAPAEASS
GALRSKHGEKAPMTRSTSTWRIPSRKRRFSSDFDLSNGEELQETCSSSLRRGSGSQPQEP
ENKKCSCVMCFPKGVPQRSQEARTESSQASDMMDTMDVENNSTLEKHSGKRRKRRHRKSVN
GLQRGRKKDRPRKHLTLNKNVQKKRWQQRGRKANTRPLKRRRKRGPRIKDENINFKQSELPV
TCGEVKGTLYKERFKQGTSKKCIQSEDKKWFTPREFEIEGDRGASKNWKLSIRCGGYTLKVLN
ENKFLPEPPSTRKKRILESHNNTLVDPCEEHKKKNPDASVKFSEFLKCCSETWKTIFAKEKGF
DMAKADKAHYEREMKTYIPPKGEKKKKFKDPNAPKRPLAFFLFCSEYRPKIKGEHPGLSIDDVV
KKLAGMWNNTAAADKQFYEKKAALKKEYKKDIAAYRAKGKPNKSAKRRVVKAEKSKKKKEEEE
DEEDEQEENEEDDDK

Applications

Standard ELISA test, line/dot assay and microarray assay with positive/negative sera panels.





Formulation

Liquid in storage buffer (50mM Tris, 300-500mM NaCl, 10% Glycerol, Protease inhibitor, pH8.0).

Storage

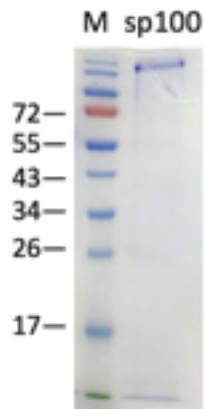
Store at -80°C . Avoid repeated freezing/thawing cycles.

Quality Control Test

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

SDS-PAGE gel



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