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Product datasheet

Recombinant Human SP100 protein ab114587

1 Image

Description

Product name	Recombinant Human SP100 protein
Expression system	Wheat germ
Accession	**P23497**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAGGGGDLSTRRLNECISPVANEMNHLPAHSHDLQRMFT EDQGVDDRLLY DIVFKHFKRNKVEISNAIKKTFPFLEGLRDRDLITNKMFEDS QDSCRNLV PVQRVVYNVLSELEKTFNLPVLEALFSDVNMQEYPDLIHIY KGFENVIHD KLPLQESEEEEREERSGLQLSLEQGTGENSFRSLTWPPS GSPSHAGTTPP ENGLSEHPCETEQINAKRKDTTSDKDDSLGSQQTNEQCA QKAEPTESCEQ IAVQVNNGDAGREMPCPLPCDEESPEAELHNHGIQINSCS VRLVDIKKEK PFSNSKVECQAQARTHHNQASDIIVISSEDSEGSTDVDEP LEVFISAPRS EPVINNDNPLESNDEKEGQEATCSRPQIVPEPMDFRKLST FRESFKKRVI GQDHDFSESSEEEAPAEASSGALRSKHGEKAPMTSRST STWRIPSRKRRF SSSDFSDLSNGEELQETCSSSLRRGSGKED
Predicted molecular weight	79 kDa including tags
Amino acids	1 to 480

Specifications

Our **Abpromise guarantee** covers the use of **ab114587** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA SDS-PAGE Western blot
Form	Liquid

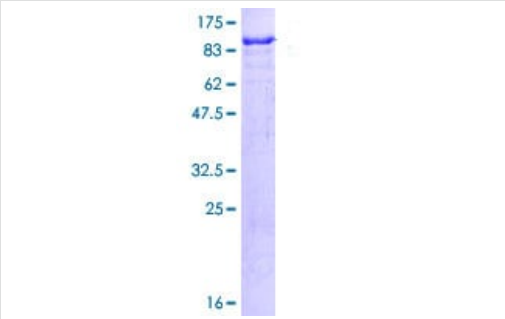
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	May play a role in the control of gene expression.
Tissue specificity	Widely expressed. Sp100-B is expressed only in spleen, tonsil, thymus, mature B-cell line and some T-cell line, but not in brain, liver, muscle or non-lymphoid cell lines.
Sequence similarities	Contains 2 HMG box DNA-binding domains. Contains 1 HSR domain. Contains 1 SAND domain.
Domain	The HSR domain is important for the nuclear body targeting as well as for the dimerization. Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain.
Post-translational modifications	Sumoylated. Sumoylation depends on a functional nuclear localization signal but is not necessary for nuclear import or nuclear body targeting.
Cellular localization	Nucleus > PML body. Found in the nuclear body, also known as nuclear domain 10 (ND10), PML oncogenic domain (POD), nuclear dots (ND) and KR body. The nuclear body is a nucleoplasmic structure of punctate shape, which varies in size and number. Induction by interferon and may be cell cycle stages modulate the subnuclear localization of the isoforms.

Images



SDS-PAGE - Recombinant Human SP100 protein (ab114587)

12.5% SDS-PAGE showing ab114587 at approximately 78.87kDa stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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