



Human Centromere Protein B [His] (DAG600)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Human
Purity	>90% as determined by SDS-PAGE
Conjugate	His
Applications	WB, ELISA
Molecular Weight	66 kDa
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	50 µg
Buffer	Ionic strength around 150 mM, neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Centromere protein B is a highly conserved protein that facilitates centromere formation. It is a DNA-binding protein that is derived from transposases of the pogo DNA transposon family. It contains a helix-loop-helix DNA binding motif at the N-terminus, and a dimerization domain at the C-terminus. The DNA binding domain recognizes and binds a 17-bp sequence (CENP-B box) in the centromeric alpha satellite DNA. This protein is proposed to play an important role in the assembly of specific centromere structures in interphase nuclei and on mitotic
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chromosomes. It is also considered a major centromere autoantigen recognized by sera from patients with anti-centromere antibodies.

Keywords

CENPB; centromere protein B
