
Product Data Sheet

Product Name: CENPB Human
Cat. No.: GP23121
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Major centromere autoantigen B; Centromere protein B; CENP-B; CENPB.		
Formulation	CENPB is supplied at a concentration of in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.		

Introduction

Centromere proteins are a group of proteins which form and/or mediate the function of centromeres, the central structures of chromosomes to which spindle fibers/microtubuli attach and pull the chromosomes apart in cell division. Currently, 9 centromere proteins are known and designated CENPA to CENP-I. Most of the centromere proteins are targets of autoantibodies, the anti-centromere antibodies. CENPB is the most important of the centromeric autoantigens: it has a molecular weight of approx. 66 kDa and plays an important role in the formation of the centromeric chromatin. CENPB antibodies are present in the sera of up to 80% of patients with CREST syndrome.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

CENPB Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a molecular mass of 80kDa. CENPB is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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