



Product Datasheet

Product Name	Centromere Protein B Human Recombinant
Cata No	CB501011
Source	<i>Sf9 insect cells.</i>
Synonyms	Major centromere autoantigen B, Centromere protein B, CENP-B, CENPB.

Description

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 CENP-A to CENP-I. Most of the centromere proteins are targets of autoantibodies, the anti-centromere antibodies.

CENP-B 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. CENP-B antibodies are present in the sera of up to 80% of patients with CREST syndrome.

CENP-B Human Recombinant produced in SF9 is a

glycosylated, polypeptide chain having a molecular mass of 65,940 Dalton.

CENP-B is expressed with a -6x His tag and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered liquid formulation.

Purity

Greater than 90% as determined by SDS-PAGE

Formulation

CENP-B is supplied at a of 0.9 mg/ml in 20mM HEPES buffer pH-7.6, 250mM sodium chloride, and 20% glycerol.

Applications

Western-Blot with monoclonal anti-hexa-His-tag antibody & Scleroderma patient sera.