

32-2195: Bovine TOP1 Native Protein

Alternative Name : DNA topoisomerase 1,EC 5.99.1.2,DNA topoisomerase I, TOP1, Scl-70.

Description

Source : Bovine tissues. Bovine DNA Topoisomerase-I purified from bovine tissues by proprietary chromatographic techniques. TOP1 is an important nuclear enzyme that interconverts supercoiled DNA to the necessary topological conformations for standard DNA replication and transcription. TOP1 is the target antigen for TOP1 autoantibodies. TOP1 antibodies are a specific marker in scleroderma patients (specificity 98-100%) and are related with the existence of diffuse skin involvement and pulmonary fibrosis. In human tissues top1 enzyme is primarily synthesized as a protein with a molecular weight of 100-kDa. Most of this precursor is then proteolytically processed to a 70-kDa size, from which the TOP1 antigen has derived its name.

Product Info

Amount :	20 µg
Purification :	Greater than 70% as determined by SDS-PAGE.
Content :	TOP1 is supplied at a concentration of 1mg/1ml in 16mM HEPES buffer pH-7.5, 400mM NaCl and 20% glycerol.
Storage condition :	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.

