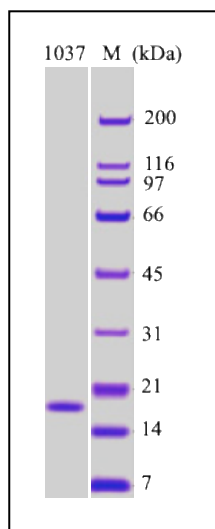


DNA Topo I (651-765) Protein

Catalog Number	Size
AG1037-10	10ug
AG1037-25	25ug
AG1037-B	Bulk

Description



The C-terminal domain of the human Topoisomerase I (Topo I/651-765) was expressed in the baculovirus system and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 130 (15+115) amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 15kDa.

MHHHHHHGRRASVHMI^{DAKKEQLADARRDLKSAKADAKVMKDAKTKKVVES}
KKKAVQRL^{EEQLMKLEVQATDREENKQIALGTSKLN}YLDPRITVAWCKKWG
VPIEKIYNKTQREKFAWAIDMADEDYEF*

Accession Number

NM_003286

Molecular Mass

Approximately 15kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The C-terminal domain (CTD) of the DNA topoisomerase I (651-765) contains a highly conserved core domain and a poorly conserved linker domain. The recombinant CTD of the Topo I protein can be reconstituted for in vitro DNA relaxation assay.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 150mM NaCl , 1mM DTT and 3mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!