

Synonym

TOP2A, TOP2, DNA topoisomerase 2-alpha, DNA topoisomerase II, alpha isozyme

Source

Human TOP2A, Tag Free (TOA-H5117) is expressed from E.coli cells. It contains AA Ser 1354 - Ser 1473 (Accession # [P11388-1](#)).

Predicted N-terminus: Met

Molecular Characterization

TOP2A(Ser 1354 - Ser 1473)
P11388-1

This protein carries no "tag".

The protein has a calculated MW of 12.8 kDa. The protein migrates as 20 kDa under reducing (R) condition (SDS-PAGE).

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Delivered as bulk protein in a 0.2 µm filtered solution of 50 mM Tris, 0.5 M KCl, pH8.0 with glycerol as protectant.

Contact us for customized product form or formulation.

Storage

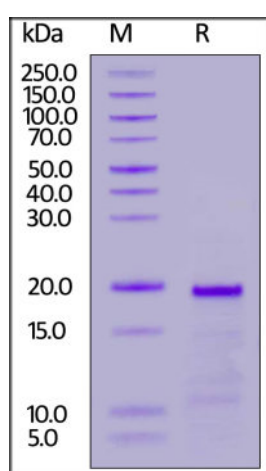
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

Shipping

This product is supplied as sterile liquid solution and shipped frozen with dry ice, please inquire the shipping cost.

SDS-PAGE

Human TOP2A, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Background

DNA topoisomerase 2-alpha (TOP2A) is also known as DNA topoisomerase II, alpha isozyme and TOP2. It is a topoisomerase which control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Essential during mitosis and meiosis for proper

segregation of daughter chromosomes. May play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation. Also it is the targets of anti-cancer drugs that cause treatment-related leukemias with balanced translocations.

References

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.