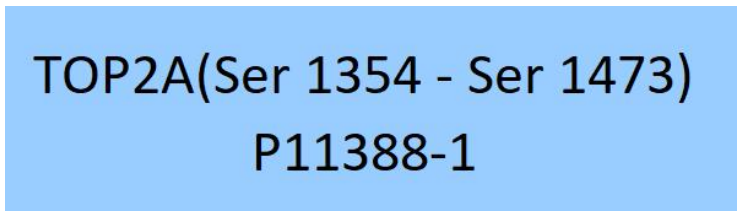
Synonym

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



This protein carries no "tag".

The protein has a calculated MW of 13.0 kDa. The protein migrates as 20 kDa under reducing (R) condition (SDS-PAGE).

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 μm filtered solution in 50 mM Tris, 0.5 M KCl, pH8.0 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

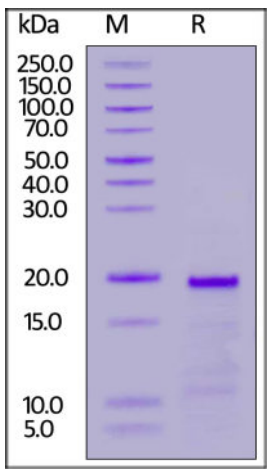
Storage

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.

SDS-PAGE



Human TOP2A, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained 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.