

## Recombinant Human TOP2A protein

**Cat. No.** TOP2A-388H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TOP2A protein(Ser 1354 - Ser 1473) was expressed in E.coli.                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Ser 1354 - Ser 1473                                                                                                                                                                                                                                                                |
| <b>Form</b>             | 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.                                                                                                                                                               |
| <b>Molecular Mass</b>   | 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).                                                                                                                                   |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                      |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | TOP2A topoisomerase (DNA) II alpha 170kDa [ Homo sapiens ]                                                                                                                                                                                         |
| Official Symbol | TOP2A                                                                                                                                                                                                                                              |
| Synonyms        | TOP2A; topoisomerase (DNA) II alpha 170kDa; TOP2, topoisomerase (DNA) II alpha (170kD); DNA topoisomerase 2-alpha; DNA gyrase; DNA topoisomerase II, 170 kD; DNA topoisomerase (ATP-hydrolyzing); DNA topoisomerase II, alpha isozyme; TOP2; TP2A; |
| Gene ID         | 7153                                                                                                                                                                                                                                               |
| mRNA Refseq     | NM_001067                                                                                                                                                                                                                                          |
| Protein Refseq  | NP_001058                                                                                                                                                                                                                                          |
| MIM             | 126430                                                                                                                                                                                                                                             |
| UniProt ID      | P11388                                                                                                                                                                                                                                             |

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