

## TOP1 recombinant protein

TOP1 Protein, Human, Recombinant (His Tag)

|                              |                      |
|------------------------------|----------------------|
| CATALOG #<br><b>AAA27765</b> | HOST<br><b>Human</b> |
|------------------------------|----------------------|

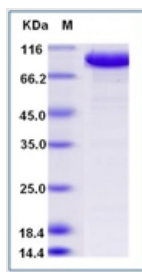
### PRODUCT SYNONYMS

TOP1; TOP1 Protein; Human; Recombinant (His Tag); Human TOP1 Protein (His Tag); TOP1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Human                                                                                                                                                                                                                                                       |
| Purity/Purification     | ≥90% as determined by SDS-PAGE                                                                                                                                                                                                                              |
| Form/Format             | Supplied as sterile 20mM Tris, 200 mM NaCl, 20% Glycerol, Ph 7.5.                                                                                                                                                                                           |
| Concentration           | Calculated: 0.27 mg/mL. (varies by lot)                                                                                                                                                                                                                     |
| Sequence                | Met1-Phe76 5                                                                                                                                                                                                                                                |
| Expression Host         | Baculovirus-Insect Cells                                                                                                                                                                                                                                    |
| Endotoxin               | <1.0 EU per ug protein as determined by the LAL method.                                                                                                                                                                                                     |
| Predicted N Terminal    | His                                                                                                                                                                                                                                                         |
| Protein Construction    | A DNA sequence encoding the human TOP1 (NP_003277.1)(Met1-Phe765) was expressed with a polyhistidine tag at the N-terminus.                                                                                                                                 |
| Extinction Coefficient  | 1.1 L g <sup>-1</sup> cm <sup>-1</sup>                                                                                                                                                                                                                      |
| Dry Ice Note            | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.                                                                                                                                                          |
| Preparation and Storage | Samples are stable for 12 months from date of receipt. Store it under sterile conditions at -20 degrees C to -80 degrees C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze/thaw cycles. |

### IMAGES



SDS-PAGE

### NCBI AND UNIPROT INFORMATION

|                  |                             |
|------------------|-----------------------------|
| NCBI GI #        | <a href="#">11225260</a>    |
| NCBI GeneID      | <a href="#">7150</a>        |
| NCBI Accession # | <a href="#">NP_003277.1</a> |

|                                  |                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GenBank Nucleotide #        | <a href="#">NM_003286.2</a>                                                                                                                                                                                                    |
| UniProt Accession #              | <a href="#">P11387</a> ; <a href="#">O43256</a> ; <a href="#">Q12855</a> ; <a href="#">Q12856</a> ; <a href="#">Q15610</a> ; <a href="#">Q5TFY3</a> ; <a href="#">Q9UJN0</a> ; <a href="#">A8KA78</a> ; <a href="#">E1P5W3</a> |
| Molecular Weight                 | Predicted MW: 93.1 kDa<br>Molecular Mass Note: The recombinant human TOP1 consists of 784 amino acids and predicts a molecular mass of 93.1 kDa                                                                                |
| NCBI Official Full Name          | DNA topoisomerase 1                                                                                                                                                                                                            |
| NCBI Official Synonym Full Names | topoisomerase (DNA) I                                                                                                                                                                                                          |
| NCBI Official Symbol             | TOP1                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | TOPI                                                                                                                                                                                                                           |
| NCBI Protein Information         | DNA topoisomerase 1; type I DNA topoisomerase                                                                                                                                                                                  |
| UniProt Protein Name             | DNA topoisomerase 1                                                                                                                                                                                                            |
| UniProt Gene Name                | <b>TOP1</b>                                                                                                                                                                                                                    |
| UniProt Entry Name               | TOP1_HUMAN                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/top1-recombinant-protein-human/27765>