

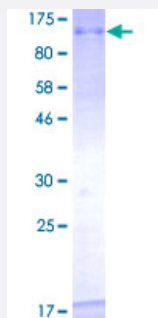
Full-Length

TOP3B (Human) Recombinant Protein (P01)

Catalog # H00008940-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TOP3B full-length ORF (AAH02432, 1 a.a. - 862 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKTVLMVAEKPSLAQSIKILSRGSLSSHKGLNGACSVHEYTGTFAGQPVRFKMTSVCGHVMTLDFLGKYNKWDKVDPAELFSQAPTEKKEANPKLNMVKFLQVEGRGCDYVLWLDCDKEGENICFEVLDVLPVMNKAHGGEKTVFRARFSSITDIDICNAMACLGEPDHNEALSVDARQELDLRIGCAFTRFQTKYFQGKYGDLSSISFGPCQTPTLGFCVERHDKIQSFKPETYWVLQAKVNTDKDRSLLLDWDRVRVFDREIAQMFLNMTKLEKEAQVEATSRKEKAKQRPLALNTVEMLRVASSSLGMGPQHMQTAERLYTQGYISYPRTEETHYPENFDLKGSLRQQANHPYWANTVKRLLAEGINRPRKGHDAGDHPPIPTMKSAATEAELGGDAWRLYEYTRHFIAVSHDCKYLQSTISFRIGPELFTCSGKTVLSPGFTEVMPWQSVPLEESLPTCQRGDAFPVGEVKMLEKQTNPPDYLTEAELITLMEKHGIGTDASIPVHINNICQRNYVTVESGRRLKPTNLGMLVHGYYKIDAELVLPITIRSAVEKQLNLIAQGKADYRQVLGHTLDVFKRKFHYFVDSIAGMDELMEVSFSPLAATGKPLSRCGKCHRFMKYQAKPSRLHCSHCDETYTLPQNGTIKLYKELRCPLDDFELVLWSSGSRGKSYPLCPYCYNHPPFRDMKKGMGCNECTHPSCQHSLSMLGIGQCVECESGVLVLDPTSGPKWKVACNKCNCVVAHCFENAHVRVVSADTCSVCEAALLDVDFNKAKSPLPGDETQHMGCVFCDPVFQELVELKHAASCHPMHRGGPGRRQGRGRGRARRPPGKPNRRPKDKMSALAAAYFV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

120.56

Interspecies Antigen Sequence

Mouse (95); Rat (94)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TOP3B

Entrez GeneID	8940
GeneBank Accession#	BC002432
Protein Accession#	AAH02432
Gene Name	TOP3B
Gene Alias	FLJ39376
Gene Description	topoisomerase (DNA) III beta
Omim ID	603582
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic state of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus relaxing the supercoils and altering the topology of DNA. The enzyme interacts with DNA helicase SGS1 and plays a role in DNA recombination, cellular aging and maintenance of genome stability. Alternative splicing of the C-terminus of this gene results in three transcript variants which have distinct tissue specificity; however, not all variants have been fully described. [provided by RefSeq]

Other Designations

topoisomerase III beta

Pathway

- [Homologous recombination](#)