

Product datasheet

Recombinant Human Topoisomerase I protein ab82099

概述

产品名称	Recombinant人Topoisomerase I protein
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Baculovirus

氨基酸序列

Accession [P11387](#)

种属 Human

序列
 MSGDHLHND SQIEAD FRLNDSHKHKDKHKDREHRHKEHKKEKDREKSKHS
 NSEHKDSEKHKKEKEKTKHKDGSSEKHKDKHKDRDKEKRKEEKVRASGDA
 KIKKEKENG FSSPPQIKDEPEDDGYFVPPKEDIKPLKRPRDEDDADYKPK
 KIKTETDKKEKRRKLEEEEDGK LKKPKNKDKDKKVPEDNKKKKPKKEEE
 QKWKWEEERYPEGIKWK FLEHKGPFVAPPYEPLPENVKFYDYGKVMKLS
 PKAEVATFFAKMLDHEYTTKEIFRKNFFKDWKEMTNEEKNIITNLSKC
 DFTQMSQYFKAQTEARKQMSKEEKLKIKEENEKLLKEYGFCIMDNHKERI
 ANFKIEPPGLFRGRGNHPKMGMLKRRIMPEDIIINCSKDAKVPSPPPGHK
 WKEVRHDNKVTLVSWTENIQGSIKYIMLNPSRIKGEKDWQKYETARRL
 KKCVDKIRNQYREDWKSKEMKVRQRAVALYFIDKLALRAGNEKEEGETAD
 TVGCCSLRVEHINLHPELDGQEYVVEFD FLGKDSIRYYNKVPVEKRVFKN
 LQLFMENKQPEDDLFDRLNTGILNKHLQDLMEGLTAKVFRTYNASITLQQ
 QLKELTAPDENIPAKILSYNRRANRAVAILCNHQRAPPKTFEKSMMNLQTK
 IDAKKEQLADARRDLKSAKADAKVMKDAKTKKVVESKKKAVQRL EEQLMK
 LEVQATDREENKQIALGT SKLNYLDPRITVAWCKKKGVP I EKIYNKTQRE
 KFAWAIDMADEDYEF

氨基酸 1 to 765

技术指标

Our [Abpromise guarantee](#) covers the use of **ab82099** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用 SDS-PAGE

形式	Liquid
补充说明	1 unit equals 1 nanogram purified protein. 0.1 – 1 unit (ng) is sufficient for relaxing 0.5 µg of pBR322 supercoiled DNA in a 20 µl reaction. Purified topo I has been used for in vitro transcriptional activation, pre-mRNA splicing/phosphorylation, DNA binding and DNA relaxation assays.

制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
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常规信息

功能	The reaction catalyzed by topoisomerases leads to the conversion of one topological isomer of DNA to another.
疾病相关	Note=A chromosomal aberration involving TOP1 is found in a form of therapy-related myelodysplastic syndrome. Translocation t(11;20)(p15;q11) with NUP98.
序列相似性	Belongs to the eukaryotic type I topoisomerase family.
翻译后修饰	Sumoylated. Lys-117 is the main site of sumoylation. Sumoylation plays a role in partitioning TOP1 between nucleoli and nucleoplasm. Levels are dramatically increased on camptothecin (CPT) treatment.
细胞定位	Nucleus > nucleolus. Nucleus > nucleoplasm. Diffuse nuclear localization with some enrichment in nucleoli. On CPT treatment, cleared from nucleoli into nucleoplasm. Sumolyated forms found in both nucleoplasm and nucleoli.

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