

Product datasheet

Recombinant Human Topoisomerase I protein ab82099

概述

产品名称	重组人Topoisomerase I蛋白
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

MSGDHLHND SQIEADFR LND SHKHDKHKDREHRHKEHKKEKDREKSKHS
 NSEHKDSEKHKHEKEKTKHKDGSSEKHKDKHKDRDKEKRKEEKVRASGDA
 KIKKEKENG FSSPPQIKDEPEDDGYFVPPKEDIKPLKRPRDEDDADYKPK
 KIKTETDKKEKRRKLEEEEDGK LKKPKNKDKDKKVPEDNKKKKPKKEEE
 QKWKWEEERYPEGIKWK FLEHKGPFVAPPYEPLPENVKFYDYGKVMKLS
 PKAEVATFFAKMLDHEYTTKEIFRKNFFKDWKEMTNEEKNIITNLSKC
 DFTQMSQYFKAQTEARKQMSKEEKLKIKEENEKLLKEYGFCIMDNHKERI
 ANFKIEPPGLFRGRGNHPKMGMLKRRIMPEDIIINCSKDAKVPSPPPGHK
 WKEVRHDNKVTLVSWTENIQGSIKYIMLNPSRIKGEKDWQKYETARRL
 KKCVDKIRNQYREDWKSKEMKVRQRAVALYFIDKLALRAGNEKEEGETAD
 TVGCCSLRVEHINLHPELDGQEYVVEFD FLGKDSIRYYNKVPVEKRVFKN
 LQLFMENKQPEDDLFDRLNTGILNKHLQDLMEGLTAKVFRTYNASITLQQ
 QLKELTAPDENIPAKILSYNRANRAVA ILCNHQRAPPKTFEKSMMNLQTK
 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	<p>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.</p> <p>Purified topo I has been used for in vitro transcriptional activation, pre-mRNA splicing/phosphorylation, DNA binding and DNA relaxation assays.</p>
制备和贮存	
稳定性和存储	<p>Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.</p> <p>Preservative: None</p> <p>Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0</p>
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.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors