

### Recombinant Human RPA32/RPA2 protein ab101216

画像数 1

#### 製品の詳細

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|-------------|---|
| 製品名         | Recombinant Human RPA32/RPA2 protein  |
| 精製度         | > 85 % SDS-PAGE.<br>ab101216 was purified using anion-exchange chromatography (DEAE sepharose resin) and gel-filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.   |
| 発現系         | Escherichia coli  |
| アクセッション番号   | <b><u>P15927</u></b>  |
| タンパク質長      | Full length protein   |
| Animal free | No  |
| 由来          | Recombinant   |
| 生物種         | Human   |
| 配列          | <p><b>MGSSHHHHHHSSGLVPRGSHMGSMWNSGFESYSSSYGGA</b><br/> <b>GGYTQSPGGF</b><br/> <b>GSPAPSQAEKKSRRARAHIVPCTISQLLSATLVDEVFRIGNV</b><br/> <b>EISQVTIV</b><br/> <b>GIIRHAEKAPTNIIVYKIDDMTAAPMDVRQWVDTDDTSSSENTV</b><br/> <b>VPPETYVK</b><br/> <b>VAGHLRSFQNKKSLVAFKIMPLEDMNEFTTHILEVINAHMVL</b><br/> <b>SKANSQPS</b><br/> <b>AGRAPISNPGMSEAGNFGGNSFMPANGLTVAQNQVLNLIKAC</b><br/> <b>PRPEGLNF</b><br/> <b>QDLKNQLKHMSVSSIKQAVDFLSNEGHIYSTVDDDFHKSTDA</b><br/> <b>E</b></p> |
| 予測される分子量    | 32 kDa including tags   |
| 領域          | 1 to 270  |
| タグ          | His tag N-Terminus  |

#### 特性

Our **Abpromise guarantee** covers the use of **ab101216** in the following tested applications.

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

|          |                   |
|----------|-------------------|
| アプリケーション | SDS-PAGE          |
|          | Mass Spectrometry |

|                 |  |
|-----------------|--|
| 質量分析            | MALDI-TOF  |
| 製品の状態           | Liquid   |
| <b>前処理および保存</b> |  |
| 保存方法および安定性      | <p>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 8.00</p> <p>Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride</p>   |
| <b>関連情報</b>     |  |
| 機能              | <p>Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions.</p> <p>Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.</p> |
| 翻訳後修飾           | <p>Phosphorylated in a cell-cycle-dependent manner (from the S phase until mitosis).</p> <p>Phosphorylated by ATR upon DNA damage, which promotes its translocation to nuclear foci. Can be phosphorylated in vitro by PRKDC/DNA-PK in the presence of Ku and DNA, and by CDK1.</p>  |
| 細胞内局在           | Nucleus. Nucleus > PML body. Also present in PML nuclear bodies. Redistributes to discrete nuclear foci upon DNA damage.   |

## 画像



ab101216 at 3 µg analysed by 15% SDS PAGE.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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