# abcam

## Product datasheet

## Recombinant Human HUS1 protein ab101944

### 1 图像

描述

产品名称 重组人HUS1蛋白

纯**度** > 95 % SDS-PAGE.

ab101944 is purified using conventional chromatography techniques.

表达系统 Escherichia coli

Accession O60921

**蛋白长度** Full length protein

无动物成分 No

性质 Recombinant

种属 Human

序列 MGSSHHHHHHSSGLVPRGSHMKFRAKIVDGACLNHFTRIS

 ${\tt NMIAKLAKTC}$ 

TLRISPDKLNFILCDKLANGGVSMWCELEQENFFNEFQMEGV

SAENNEIY

LELTSENLSRALKTAQNARALKIKLTNKHFPCLTVSVELLSM

**SSSSRIVT** 

HDIPIKVIPRKLWKDLQEPVVPDPDVSIYLPVLKTMKSVVEK

MKNISNHL

VIEANLDGELNLKIETELVCVTTHFKDLGNPPLASESTHEDR

**NVEHMAEV** 

HIDIRKLLQFLAGQQVNPTKALCNIVNNKMVHFDLLHEDVSL

**QYFIPALS** 

预测分子量 34 kDa including tags

**氨基酸** 1 to 280

标签 His tag N-Terminus

#### 技术指标

Our Abpromise guarantee covers the use of ab101944 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

Mass Spectrometry

质**谱法** MALDI-TOF

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#### 制备和贮存

#### 稳定性和存储

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw

cycles.

pH: 8.00

Constituents: 0.316% Tris HCI, 40% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

#### 常规信息

#### 功能

Component of the 9-1-1 cell-cycle checkpoint response complex that plays a major role in DNA repair. The 9-1-1 complex is recruited to DNA lesion upon damage by the RAD17-replication factor C (RFC) clamp loader complex. Acts then as a sliding clamp platform on DNA for several proteins involved in long-patch base excision repair (LP-BER). The 9-1-1 complex stimulates DNA polymerase beta (POLB) activity by increasing its affinity for the 3'-OH end of the primer-template and stabilizes POLB to those sites where LP-BER proceeds; endonuclease FEN1 cleavage activity on substrates with double, nick, or gap flaps of distinct sequences and lengths; and DNA ligase I (LIG1) on long-patch base excision repair substrates.

组织特异性 Ubiquitous.

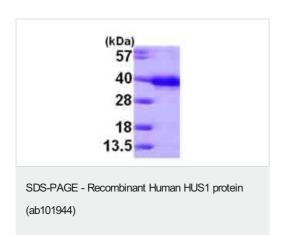
序列相似性 Belongs to the HUS1 family.

细胞定位 Nucleus. Cytoplasm. In discrete nuclear foci upon DNA damage. According to

PubMed:14500360, localized also in the cytoplasm. DNA damage induces its nuclear

translocation. Shuttles between the nucleus and the cytoplasm.

#### 图片



15% SDS-PAGE analysis of 3µg ab101944.

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

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