

Product datasheet

Recombinant Human BRRN1 protein ab161625

1 Image

Overview

Product name	Recombinant Human BRRN1 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human

Sequence	<p>MGPPGPALPATMNNSSSETRGHPHSASSPSERVFPM PLPRKAPLNIPGTP VLEDFPQNDDEKERLQRRRSRVFDLQFSTDSPRLAS PSSRSIDISATIP KFTNTQITEHYSTCIKLSTENKITTNAFGLHLIDFMSEIL KQKDTEPTN FKVAAGTLDASTKIYAVRVDVHADVYRVLGGLGKDA PSLEEVEGHVADG SATEMGTTKAVKPKKKHLHRTIEQNINNLNVSEADRK CEIDPMFQKTA SFDECSTAGVFLSTLHCQDYRSELLFPSDVQTLSTGE PLELPELGCVEMT DLKAPLQQCAEDRQICPSLAGFQFTQWDETHNESV SALVDKFKKNDQVF DINAEVDESDCGDFPDGSLGDDFDANDEPDHTAVGD HEEFRSWKEPCQVQ SCQEEMISLGDGDIRTMCPLLSMKPGEYSYFSPRTMS MWAGPDHWRFRPR RKQDAPSQSENKKKSTKKDFEIDFEDDIDFDVYFRKT KAATILTKSTLEN QNWRATTLPDFNYNVDTLVQLHLKPGTRLLKMAQGH RAETEYEEIEDY DYNPNPNTSNFCPGLQAADSDEDEDLDDLFVGPVGN DLSYPCHPPKTAQ QNGDTPEAQGLDITTYGESNLVAEPQKVNKIEIHYAKTA KKMDMKKLLKQS</p>
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MWLLTALSGKEADAEANHREAGKEAALAEVADEKM
LSGLTKDLQRSLPP
VMAQNLSIPLAFACLLHLANEKNLKLEGTEDLSDVLVR
QGD

Amino acids 1 to 741
Tags proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab161625** in the following tested applications.

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

Applications Western blot
ELISA
Form Liquid
Additional notes Protein concentration is above or equal to 0.05 mg/ml.

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function Regulatory subunit of the condensin complex, a complex required for conversion of interphase chromatin into mitotic-like condense chromosomes. The condensin complex probably introduces positive supercoils into relaxed DNA in the presence of type I topoisomerases and converts nicked DNA into positive knotted forms in the presence of type II topoisomerases.

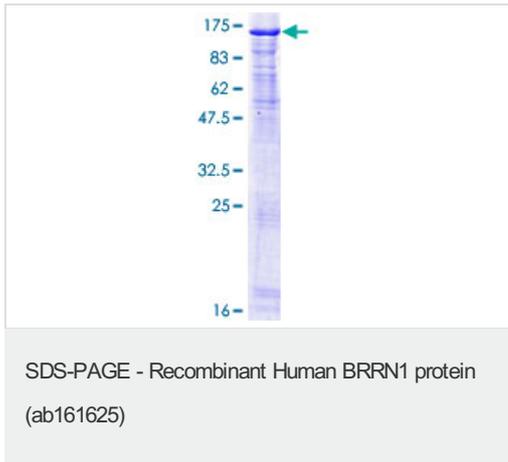
Tissue specificity Widely expressed at low level. Expressed in proliferating cells.

Sequence similarities Belongs to the CND2 (condensin subunit 2) family.

Post-translational modifications Phosphorylated by CDK1. Its phosphorylation, as well as that of NCAPD2 and NCAPG subunits, activates the condensin complex and is required for chromosome condensation.

Cellular localization Nucleus. Cytoplasm. Chromosome. In interphase cells, the majority of the condensin complex is found in the cytoplasm, while a minority of the complex is associated with chromatin. A subpopulation of the complex however remains associated with chromosome foci in interphase cells. During mitosis, most of the condensin complex is associated with the chromatin. At the onset of prophase, the regulatory subunits of the complex are phosphorylated by CDK1, leading to condensin's association with chromosome arms and to chromosome condensation. Dissociation from chromosomes is observed in late telophase.

Images



ab161625 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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