

Product datasheet

Recombinant Human PARP2 protein (denatured)
 ab140564

1 Image

Description

Product name	Recombinant Human PARP2 protein (denatured)
Purity	> 85 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q9UGN5
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MGSSHHHHHH SSGLVPRGSH MGSHMQLDLR VQELIKLICN VQAMEEMMME MKYNTKKAPL GKLTVAQIKA GYQSLKKIED CIRAGQHGRA LMEACNEFYT RIPHDFGLRT PPLIRTQKEL SEKIQLLEAL GDIEIAIKLV KTELQSPEHP LDQHYRNLHC ALRPLDHESY EFKVISQYLQ STHAPTHSDY TMTLLDLFEV EKDGEKEAFR EDLHNRMLLW HGSRMSNWVG ILSHGLRIAP PEAPITGYMF GKGIFYADMS SKSANYCFAS RLKNTGLLLL SEVALGQCNE LLEANPKAEG LLQGKHSTKG LGKMAPSSAH FVTLNGSTVP LGPASDTGIL NPDGYTLNYN EYIVYNPNQV RMRYLKLVQF NFLQLW </pre>
Predicted molecular weight	43 kDa including tags
Amino acids	233 to 583
Tags	His tag N-Terminus
Description	Recombinant Human PARP2 protein

Specifications

Our [Abpromise guarantee](#) covers the use of **ab140564** in the following tested applications.

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

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage 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.

pH: 8.00

Constituents: 2.4% Urea, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine)

General Info

Function Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks.

Tissue specificity Widely expressed, mainly in actively dividing tissues. The highest levels are in the brain, heart, pancreas, skeletal muscle and testis; also detected in kidney, liver, lung, placenta, ovary and spleen; levels are low in leukocytes, colon, small intestine, prostate and thymus.

Sequence similarities Contains 1 PARP alpha-helical domain.
Contains 1 PARP catalytic domain.

Post-translational modifications Poly-ADP-ribosylated by PARP1.

Cellular localization Nucleus.

Images



15% SDS PAGE analysis of ab140564 (3 µg).

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

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