

Recombinant human RPAIN protein

Catalog Number: ATGP2275

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-106aa

UniProt No.

Q86UA6

NCBI Accession No.

NP_001153718

Alternative Names

RPA-interacting protein isoform d, HRIP, RIP

PRODUCT SPECIFICATION

Molecular Weight

14.7 kDa (129aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

RPA-interacting protein isoform d, also known as RPAIN, is a single-stranded-DNA binding protein involved in numerous eukaryotic DNA processes including replication, repair and recombination. RPAIN interacting protein has been identified as an adapter protein that is involved in RPA nuclear import instead of the prototypical importin proteins that normally mediate nuclear import. Recombinant human RPAIN protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

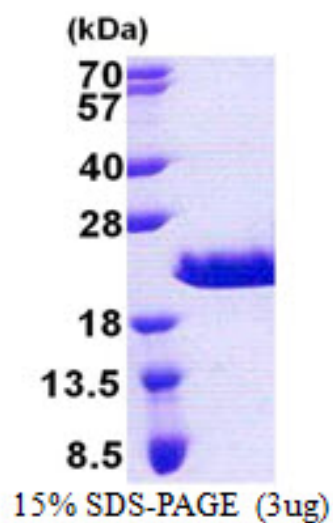
MGSSHHHHHHH SGLVPRGSH MGSMASLR SRRSLYKLVG SPPWKEAFRQ RCLERMNSR DRLLNRYRQA
GSSGPGNSQN SFLVQEVME EWNALQSVEN CPEDLAQLEE LIDMAVLEEI QQELINQGL

General References

Kim K., et al. (2009) BMB Rep. 42(1):22-7
Park J., et al. (2005) Mol Cell Biol. 25(18):8202-14.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.