

**AR50424PU-S****Human RYBP (1-228, His-tag) - Purified****Alternate names:**

AAP-1, APAP-1, Apoptin-associating protein 1, DED-associated factor, DEDAF, Death effector domain-associated factor, RING1 and YY1-binding protein, YEAFF1, YY1 and E4TF1-associated factor 1

**Quantity:**

20 µg

**Concentration:**

0.5mg/ml (determined by Bradford assay)

**Background:**

RYBP (RING1- and YY1-binding protein) is a member of the polycomb group (PcG). This protein interacts with MDM2 and decreases MDM2-mediated p53 ubiquitination, leading to stabilization of p53 and an increase in p53 activity. RYBP induces cell-cycle arrest and is involved in the p53 response to DNA damage. RYBP has been shown to interact with RING1, YY1, Caspase 10, E2F3, E2F2, Mdm2, Abl gene and CBX2.

**Uniprot ID:**

[Q8N488](#)

**NCBI:**

[NP\\_036366](#)

**GeneID:**

[23429](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >85% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer, pH8.0, 20% glycerol, 1mM DTT, 100mM NaCl

**Description:**

Recombinant human RYBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

MGSSHHHHH SSGLVPRGSH MGSHTMGDK KSPTRPKRQA KPAADGEFWD CSVCTFRNSA  
EAFKCSICDV RKGSTSTRKPR INSQLVAQQV AQQYATPPPP KKEKKEKVEK QDKEKPEKDK  
EISPSVTKKN TNKKTTPKSD ILKDPPSEAN SIQSANATTK TSETNHTSRP RLKNVDRSTA  
QQLAVTVGNV TVIITDFKEK TRSSSTSSST VTSSAGSEQQ NQSSSGSEST DKGSSRSSTP  
KGDMSAVNDE SF

**Molecular weight:** 27.4 kDa (252aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

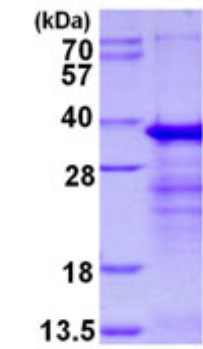
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

Chen D, et al. (2008) EMBO Rep. 10(2):166-72. Zheng L., et al. (2001) J. Biol. Chem. 276:31945-31952

Pictures:



15% SDS-PAGE (3ug)