

AR50424PU-N

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, YEA1, YY1 and E4TF1-associated factor 1

Quantity:

0.1 mg

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 SGLVPRGSH MGSMTMGDK KSPTRPKRQA KPAADGFWD CSVCTFRNSA
EAFKCSICDV RKGSTSTRKPR INSQLVAQQV AQQYATPPPP KKEKKEKVEK QDKEKPEKDK
EISPSVTKKN TNKKTTPKSD ILKDPPEAN 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:

