

Recombinant Human RING1 And YY1 Binding Protein, His-tagged

Cat. No. RYBP-6846H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RYBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-228aa
Description	RYBP 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.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 20% glycerol, 1mM DTT, 100mM NaCl.
Molecular Mass	27.4kDa (252aa) confirmed by MALDI-TOF (Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SGLVPRGSH MGSHTMGDK KSPTRPKRQA KPAADGEFWD CSVCTFRNSA EAFKCSICDV RKGSTSTRKPR INSQLVAQQV AQQYATPPPP KKEKKEKVEK QDKEKPEKDK EISPSVTKKK TNKKTTPKSD ILKDPPSEAN SIQSANATTK TSETNHTSRP RLKNVDRSTA QQLAVTVGNV TVIITDFKEK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TRSSSTSSST VTSSAGSEQQ NQSSSGSEST DKGSSRSSTP KGDMSAVNDE SF

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [RYBP RING1 and YY1 binding protein \[Homo sapiens \]](#)

Official Symbol RYBP

Synonyms RYBP; RING1 and YY1 binding protein; RING1 and YY1-binding protein; AAP1; apoptin associating protein 1; death effector domain associated factor; DEDAF; ring1 interactor RYBP; YEAF1; YY1 and E4TF1 associated factor 1; APAP-1; DED-associated factor; apoptin-associating protein 1; YY1 and E4TF1-associated factor 1; death effector domain-associated factor;

Gene ID [23429](#)

mRNA Refseq [NM_012234](#)

Protein Refseq [NP_036366](#)

MIM [607535](#)

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UniProt ID	Q8N488
Chromosome Location	3p14.2
Pathway	E2F transcription factor network, organism-specific biosystem;
Function	DNA binding; metal ion binding; protein binding; transcription corepressor activity; zinc ion binding;

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