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RYBP Human

Catalog #:PRPS-1146

For research use only.

Description:RYBP Human Recombinant produced in E. coli is a single polypeptide chain containing 252 amino acids (1-228) and having a molecular mass of 27.4 kDa.RYBP is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms:RING1 and YY1 binding protein, Death effector domain-associated factor, Apoptin-associating protein 1, YY1 and E4TF1-associated factor 1, ring1 interactor RYBP, DED-associated factor, APAP-1, DEDAF, YEAF1.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMTMGDK KSPTRPKRQA KPAADEGFWD CSVCTFRNSA EAFKCSICDV RKGTSTRKPR INSQLVAQQV AQQYATPPPP KKEKKEKVEK QDKEKPEKDK EISPSVTKKN TNKKTKPKSD ILKDPPSEAN SIQSANATTK TSETNHTSRP RLKNVDRSTA QQLAVTVGNV TVIITDFKEK TRSSSTSSST VTSSAGSEQQ NQSSSGSEST DK

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:
The RYBP solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
RING1- and YY1-binding protein (RYBP) belongs to the polycomb group (PcG). RYBP interacts with MDM2 and decreases MDM2-mediated p53 ubiquitination, which leads to stabilization of p53 and an increase in p53 activity. RYBP causes cell-cycle arrest and is involved in the p53 response to DNA damage. RYBP interacts with RING1, YY1, Caspase 10, E2F3, E2F2, Mdm2, Abl gene and CBX2. RYBP inhibits ubiquitination and subsequent degradation of TP53, and thus has a role in regulating transcription of TP53 target genes. RYBP may also be involved in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1. RYBP may bind to DNA, and promote apoptosis.

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