9051 Mira Mesa Blvd, #910094
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RYBP Human

RING1 & YY1 Binding Protein Human Recombinant
RCP1945

Product Overview

Name	RYBP Human
Description	
RING1 & YY1 Binding Protein Human Recombinant	
Accession (Primary)	Q8N488
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.	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
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.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MTMGDK KSPTRPKRQA KPAADEGFWD CSVCTFRNSA EAFKCSICDV	

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RKGTSTRKPR INSQLVAQQV AQQYATPPPP KKEKKEKVEK QDKEKPEKDK EISPSVTKKN TNKKTKPKSD ILKDPPSEAN SIQSANATTK TSETNHTSRP RLKNVDRSTA QQLAVTVGNV TVIITDFKEK TRSSSTSSST VTSSAGSEQQ NQSSSGSEST DKGSSRSSTP KGDMSAVNDE SF

Precautions

RYBP Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q8N488)