

Product datasheet for **AR50424PU-S**

RYBP (1-228, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RYBP (1-228, His-tag) human recombinant protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHTMGDK KSPTRPKRQA KPAADGFWDCSVCTFRNSA EAFKCSICDV RKGSTSTRKPR INSQLVAQVQV AQQYATPPPP KKEKKEKVEK QDKEKPEKDK EISPSVTKKN TNKKTTPKSD ILKDPPSEAN SIQSANATTK TSETNHTSRP RLKNVDRSTA QQLAVTVGNV TVIITDFKEK TRSSSTSSTT VTSSAGSEQQ NQSSSGSEST DKGSSRSSTP KGDMSAVNDE SF
Tag:	His-tag
Predicted MW:	27.4 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer, pH 8.0, 20% glycerol, 1 mM DTT, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RYBP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_036366
Locus ID:	23429
UniProt ID:	Q8N488
Cytogenetics:	3p13
Synonyms:	AAP1; APAP-1; DEDAF; YEAF1



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Summary:

Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1-like complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility (PubMed:25519132). Component of a PRC1-like complex that mediates monoubiquitination of histone H2A 'Lys-119' on the X chromosome and is required for normal silencing of one copy of the X chromosome in XX females. May stimulate ubiquitination of histone H2A 'Lys-119' by recruiting the complex to target sites (By similarity). Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes (PubMed:19098711). May also regulate the ubiquitin-mediated proteasomal degradation of other proteins like FANK1 to regulate apoptosis (PubMed:14765135, PubMed:27060496). May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1 (PubMed:11953439). May bind to DNA (By similarity). May play a role in the repression of tumor growth and metastasis in breast cancer by down-regulating SRRM3 (PubMed:27748911).[UniProtKB/Swiss-Prot Function]

Protein Families:

Druggable Genome, Transcription Factors

Product images: