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Datasheet for ABIN7545870 **RYBP Protein (AA 1-228) (His tag)**

Overview

Quantity:	1 mg
Target:	RYBP
Protein Characteristics:	AA 1-228
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RYBP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RYBP Protein expressed in mammalian cells.
Sequence:	MTMGDKKSPT RPKRQAKPAA DEGFWDSCVC TFRNSAEAFK CSICDVRKGT STRKPRINSQ LVAQQVAQYQY ATPPPPKKEK KEKVEKQDKE KPEKDKEISP SVTKKNTNKK TKPKSDILKD PPSEANSIQS ANATTKTSET NHTSRPRLKN VDRSTAQQLA VTVGNVTVII TDFKEKTRSS STSSSTVTSS AGSEQNQSS SGSESTDKGS SRSSTPKGDM SAVNDESF Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RYBP
Alternative Name:	RYBP (RYBP Products)
Background:	<p>RING1 and YY1-binding protein (Apoptin-associating protein 1) (APAP-1) (Death effector domain-associated factor) (DED-associated factor) (YY1 and E4TF1-associated factor 1),FUNCTION: 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).</p> <p>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</p>

Target Details

(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).
{ECO:0000250|UniProtKB:Q8CCI5, ECO:0000269|PubMed:11953439,
ECO:0000269|PubMed:14765135, ECO:0000269|PubMed:19098711,
ECO:0000269|PubMed:27060496, ECO:0000269|PubMed:27748911}.

Molecular Weight: 24.8 kDa

UniProt: [Q8N488](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months