

Product datasheet for **TP306186L**

RYBP (NM_012234) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human RING1 and YY1 binding protein (RYBP), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC206186 protein sequence
Red=Cloning site **Green**=Tags(s)

MTMGDKKSPTRPKRQAKPATDEGFWDSCVCTFRNSAEAFKCSICDVRKGTSTRKPRINSQLVAQQVAQQY
ATPPPPKKEKKEKVEKQDKEKPEKDKEISPSVTKKNTNKKTKPKSDILKDPPEANSIQSANATTKTSET
NHTSRPRLKNVDRSTAQLAVTVGNVTVIITDFKEKTRSSSTSSSTVTSSAGSEQNQSSSGSESTDKGS
SRSTPKGDMSAVNDESF

TRTRPLEQLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 24.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_036366](#)

Locus ID: 23429

UniProt ID: [Q8N488](#)



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RefSeq Size: 4678

Cytogenetics: 3p13

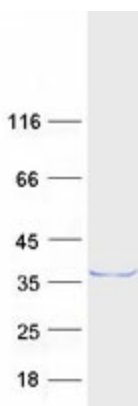
RefSeq ORF: 684

Synonyms: AAP1; APAP-1; DEDAF; YEAF1

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:



Coomassie blue staining of purified RYBP protein (Cat# [TP306186]). The protein was produced from HEK293T cells transfected with RYBP cDNA clone (Cat# [RC206186]) using MegaTran 2.0 (Cat# [TT210002]).