

Product datasheet for PH306186

RYPB (NM_012234) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RYPB MS Standard C13 and N15-labeled recombinant protein (NP_036366)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206186
Predicted MW:	24.9 kDa
Protein Sequence:	>RC206186 protein sequence Red=Cloning site Green=Tags(s) MTMGDKKSPTRPKRQAKPATDEGFWDSCVCTFRNSAEAFKCSICDVRKGTSTRKPRINSQLVAQQVAQQY ATPPPPKKEKKEKVEKQDKEKPEKDKEISPSVTKKNTNKKTKPKSDILKDPPEANSIQSANATTKTSET NHTSRPRLKNVDRSTAQQQLAVTVGNVTVIITDFKEKTRSSSTSSSTVTSSAGSEQNQSSSGSESTDKGS SRSSTPKGDMSAVNDESF TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036366
RefSeq Size:	4678
RefSeq ORF:	684
Synonyms:	AAP1; APAP-1; DEDAF; YEAF1
Locus ID:	23429
UniProt ID:	Q8N488



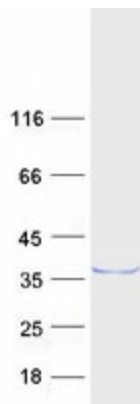
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Cytogenetics: 3p13

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]).