

Recombinant human RYBP protein

Catalog Number: ATGP1600

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-228aa

UniProt No.

Q8N488

NCBI Accession No.

NP_036366

Alternative Names

RING1 and YY1 binding protein, AAP1, DEDAF, YEAF1

PRODUCT SPECIFICATION

Molecular Weight

27.4 kDa (252aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT, 100mM NaCl

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

RYBP (RING1- and YY1-binding protein) is a member of the polycomb group (PcG). This protein interacts with MDM2 and decreases MDM2-mediated p53 ubiquitination, leading to stabilization of p53 and an increase in p53 activity. RYBP induces cell-cycle arrest and is involved in the p53 response to DNA damage. RYBP has been shown to interact with RING1, YY1, Caspase 10, E2F3, E2F2, Mdm2, Abl gene and CBX2. Recombinant human RYBP protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

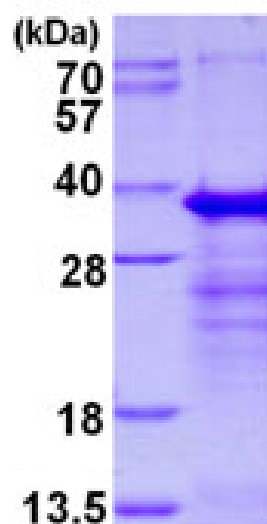
MGSSHHHHHH SSGLVPRGSH MGSHTMGDK KSPTRPKRQA KPAADGFWD CSVCTFRNSA EAFKCSICDV
RKGTSTRKPR INSQLVAQQV AQYATPPPP KKEKKEKVEK QDKEKPEKDK EISPSVTKKK TNKKTTPKSD ILKDPPSEAN
SIQSANATTK TSETNHTSRP RLKNVDRSTA QQLAVTVGNV TVIITDFKEK TRSSSTSSST VTSSAGSEQQ NQSSSGSEST
DKGSSRSSTP KGDMSAVNDE SF

General References

Chen D, et al. (2008) EMBO Rep. 10(2):166-72.
Zheng L., et al. (2001) J. Biol. Chem. 276:31945-31952

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)