

Recombinant human RBBP4 protein

Catalog Number: ATGP1656

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-425aa

UniProt No.

Q09028

NCBI Accession No.

NP_005601

Alternative Names

Retinoblastoma binding protein 4, NuRF55, RBAP48

PRODUCT SPECIFICATION

Molecular Weight

50.2 kDa (449aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM EDTA

Purity

> 90% 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

Retinoblastoma binding protein 4, also known as RBBP4, is a ubiquitously expressed nuclear protein which belongs to a highly conserved subfamily of WD-repeat proteins. It is present in protein complexes involved in histone acetylation and chromatin assembly. RBBP4 is also part of co-repressor complexes, which is an integral component of transcriptional silencing. It is found among several cellular proteins that bind directly to retinoblastoma protein to regulate cell proliferation. Recombinant human RBBP4 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 MGSHMADKEA AFDDAVEERV INEEYKIWKK NTPFLYDLVM THALEWPSLT AQWLDPDVTRP
EGKDFSIHRL VLGHTSDEQ NHLVIASVQL PNDDAQFDAS HYDSEKGEFG GFGSVSGKIE IEIKINHEGE VNRARYMPQN
PCIIATKTPS SDVLVFDYTK HPSKPDPSGE CNPDLRLRGH QKEGYGLSWN PNLSGHLLSA SDDHTICLWD ISAVPKEGKV
VDAKTIFTGH TAVVEDVSWH LLHESLFGSV ADDQKLMiWD TRSNNTSKPS HSVDAHTAEV NCLSFNPYSE FILATGSADK
TVALWDLRNL KKLHSEFESH KDEIFQVQWS PHNETILASS GTDRRLNVWD LSKIGEEQSP EDAEDGPPEL LFIHGGHTAK
ISDFSWNPNE PWVICSVSED NIMQVWQMAE NIYNDEDPEG SVDPEGQGS

General References

Qian YW., et al. (1993) Nature. 364(6438): 648-52
Nicolas E., et al. (2001) Nucleic Acids Res. 29(15): 3131-6.

DATA

SDS-PAGE

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

