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AR50480PU-S Human RBBP4 / RBAP48 (1-425, His-tag) - Purified

Alternate names: CAF-1 subunit C, CAF-I p48, Chromatin assembly factor 1 subunit C, Chromatin assembly factor I p48 subunit, Histone-binding protein RBBP4, Nucleosome-remodeling factor subunit RBAP48, RBBP-4, Retinoblastoma-binding protein 4, Retinoblastoma-binding protein p48

Quantity: 0.1 mg

Concentration: 0.5 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q09028

NCBI: NP_005601

GeneID: 5928

Species: Human

Source: E. coli

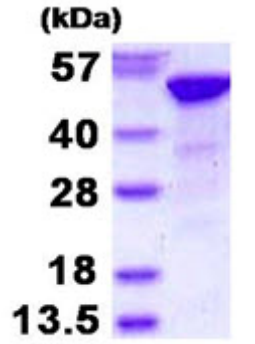
Format: **State:** Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol,1mM EDTA

Description: Recombinant human RBBP4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSHMADKEA AFDDAVEERV INEEYKIWKK NTPFLYDLVM
THALEWPSLT AQWLPDVTRP EGKDFSIHRL VLGTHTSDEQ NHLVIASVQL PNDDAQFDAS
HYDSEKGEFG GFGSVSGKIE IEIKINHEGE VNRARYMPQN PCIIATKTPS SDVLVFDYTK
HPSKPDPSGE CNPDLRLRGH QKEGYGLSWN PNLSGHLLSA SDDHTICLWD ISAVPKEGKV
VDAKTIFTGH TAVVEDVSWH LLHESLFGSV ADDQKLMIWD TRSNNTSKPS HSVDAHTAEV
NCLSFNPYSE FILATGSADK TVALWDLRNL KLKLHSFESH KDEIFQVQWS PHNETILASS
GTDRRLNVWD LSKIGEEQSP EDAEDGPPEL LFIHGGHTAK ISDFSWNPNE PWVICSVSED
NIMQVWQMAE NIYNDEDPEG SVDPEGQGS
Molecular weight: 50.2 kDa (449aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)