

Recombinant Full Length Human Retinoblastoma Binding Protein 4, His-tagged

Cat. No. RBBP4-6964H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RBBP4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-425aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM EDTA.
Molecular Mass	50.2 kDa (449aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMADKEA AFDDAVEERV INEEYKIWKK NTPFLYDLVM THALEWPSLT AQWLPDVTRP EGKDFSIRHL VLGTHTSDEQ NHLVIASVQL PNDDAQFDAS HYDSEKGEFG GFGSVSGKIE IEIKINHEGE

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VNRARYMPQN PCIIATKTPS SDVLVFDYTK HPSKPDPSGE CNPDLRLRGH
 QKEGYGLSWN PNLSGHLLSA SDDHTICLWD ISAVPKEGKV VDAKTIFTGH
 TAVVEDVSWH LLHESLFGSV ADDQKLMiWD TRSNNTSKPS HSDAHTAEV
 NCLSFNPYSE FILATGSADK TVALWDLRNL KLKLSHFESH KDEIFQVQWS
 PHNETILASS GTDRRLNVWD LSKIGEEQSP EDAEDGPPEL LFIHGGHTAK
 ISDFSWNPNE PWVICSVSED NIMQVWQMAE NIYNDEDPEG SVDPEGQGS

Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RBBP4 retinoblastoma binding protein 4 [Homo sapiens]
Official Symbol	RBBP4
Synonyms	RBBP4; retinoblastoma binding protein 4; histone-binding protein RBBP4; NURF55; RbAp48; RBBP-4; CAF-I p48; CAF-1 subunit C; CAF-I 48 kDa subunit; MS11 protein homolog; retinoblastoma-binding protein 4; retinoblastoma-binding protein p48; chromatin assembly factor 1 subunit C; chromatin assembly factor I p48 subunit; chromatin assembly factor/CAF-1 p48 subunit; nucleosome-remodeling factor subunit RBAP48; RBAP48;
Gene ID	5928

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mRNA Refseq	NM_001135255
Protein Refseq	NP_001128727
MIM	602923
UniProt ID	Q09028
Chromosome Location	1p35.1
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; G0 and Early G1, organism-specific biosystem; Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem;
Function	contributes_to DNA-dependent ATPase activity; histone binding; histone deacetylase binding; protein binding;

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