

Datasheet for ABIN7520441

Retinoblastoma Binding Protein 4 Protein (RBBP4)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Retinoblastoma Binding Protein 4 (RBBP4)
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Human RBBP-4 Protein
Sequence:	MADKEAAFDD AVEERVINEE YKIWKKNTPF LYDLVMTHAL EWPSLTAQWL PDVTRPEGKD FSIHRLLVLTG HTSDEQNHLV IASVQLPNDD AQFDASHYDS EKGEFGGFGS VSGKIEIEIK INHEGEVNRA RYMPQNPCII ATKTPSSDVL VFDYTKHPSK PDPSGECNPD LRLRGHQKEG YGLSWNPMLS GHLLSASDDH TICLWDISAV PKEGKVVDK TIFTGHTAVV EDVSWHLLHE SLFGSVADDQ KLMIWDTRSN NTSKPSHSVD AHTAEVNCLS FNPYSEFILA TGSADKTVAL WDLRNLKCLKL HSFESHKDEI FQVQWSPHNE TILASSGTDR RLNVWDLSKI GEEQSPEDAE DGPELLFIH GGHTAKISDF SWNPNEPWVI CSVSEDNIMQ VWQMAENIYN DEDPEGSVDP EGQGS
Specificity:	Met1-Ser425
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.

Product Details

Biological Activity Comment: Measured by its binding ability in a functional ELISA. Immobilized Human RBBP4 Protein at 1 µg/mL (100 µL/well) can bind RBBP4 Rabbit pAb with a linear range of 0.976-7.09 ng/mL.

Target Details

Target: Retinoblastoma Binding Protein 4 (RBBP4)

Alternative Name: RBBP-4 ([RBBP4 Products](#))

Background: Description: Histone-binding protein RBBP4, also known as Retinoblastoma-binding protein 4, Retinoblastoma-binding protein p48, Chromatin assembly factor 1 subunit C, Chromatin assembly factor I p48 subunit, Nucleosome-remodeling factor subunit RBAP48 and RBBP4, is a nucleus protein which belongs to the WD repeat RBAP46/RBAP48/MSI1 family. It is present in protein complexes involved in histone acetylation and chromatin assembly. It is part of the Mi-2 complex which has been implicated in chromatin remodeling and transcriptional repression associated with histone deacetylation. This encoded protein 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. This protein also seems to be involved in transcriptional repression of E2F-responsive genes.
Name: NURF55, RBAP48, lin-53, RBBP4, RBAP48, lin-53

Gene ID: 5928

UniProt: [Q09028](#)

Pathways: [Cell Division Cycle](#), [Mitotic G1-G1/S Phases](#), [Stem Cell Maintenance](#), [Chromatin Binding](#), [Protein targeting to Nucleus](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 50 mM Tris, 500 mM NaCl, pH 7.4.

Handling

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.