

Recombinant Human RBBP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RBBP4-6445H Lot. No. (See product label)

SPECIFICATION

Product Overview	RBBP4 MS Standard C13 and N15-labeled recombinant protein (NP_005601) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes 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. 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. Three transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	47.7 kDa
AA Sequence	MADKEAAFDDAVEERVINEEYKIWKKNTPFLYDLVMTHALEWPSLTAQWLDPVTRP EGKDFSIHRLVLGTHTSDEQNHLVIASVQLPNDDAQFDASHYDSEKGEFGGFGSVS GKIEIEIKINHEGEVNRARYMPQNPCIATKTPSSDVLVFDYTKHPSKPDPSGECNPDL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RLRGHQKEGYGLSWNPNLSGHLLSASDDHTICLWDISAVPKEGKVVDAKTIFTGHTA
 VVEDVSWHLLHESLFGSVADDQKLMIWDRSNNTSKPSHSVDAHTAEVNCLSFNPY
 SEFILATGSADKTVALWDLRNLKLLKLSFESHKDEIFQVQWSPHNETILASSGTDRL
 NVWDLKIGEEQSPEDAEDGPELLEFIHGGHTAKISDFSWNPNEPWWICSVSEDNIM
 QVWQMAENIYNDEDPEGSVDPEGQGSTRTRPLEQKLISEEDLAANDILDYKDDDDK
 V

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name **RBBP4** retinoblastoma binding protein 4 [Homo sapiens (human)]

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; MSI1 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;

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Gene ID	5928
mRNA Refseq	NM_005610
Protein Refseq	NP_005601
MIM	602923
UniProt ID	Q09028

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