



Human RBBP4 peptide (DAG-P1925)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Sep 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the WD repeat RBAP46/RBAP48/MSI1 family. Contains 6 WD repeats.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RBBP4 retinoblastoma binding protein 4 [Homo sapiens (human)]
Official Symbol	RBBP4
Synonyms	RBBP4; retinoblastoma binding protein 4; NURF55; RBAP48; histone-binding protein RBBP4; 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;

Entrez Gene ID	5928
mRNA Refseq	NM_001135255.1
Protein Refseq	NP_001128727.1
UniProt ID	Q09028
Chromosome Location	1p35.1
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cellular Senescence, organism-specific biosystem; Cellular responses to stress, 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; G2/M Transition, organism-specific biosyste
Function	contributes_to DNA-dependent ATPase activity; contributes_to RNA polymerase II core promoter proximal region sequence-specific DNA binding; contributes_to RNA polymerase II distal enhancer sequence-specific DNA binding; histone binding; histone deacetylas