

Recombinant Human RBBP7

Cat. No. RBBP7-29048TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RbAp46 (amino acids 1-425) with N terminal proprietary tag; Predicted MWt 72.82 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	425 amino acids
Description	This protein is a ubiquitously expressed nuclear protein and belongs to a highly conserved subfamily of WD-repeat proteins. It is found among several proteins that binds directly to retinoblastoma protein, which regulates cell proliferation. The encoded protein is found in many histone deacetylase complexes, including mSin3 co-repressor complex. It is also present in protein complexes involved in chromatin assembly. This protein can interact with BRCA1 tumor-suppressor gene and may have a role in the regulation of cell proliferation and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	72.820kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MASKEMFEDTVEERVINEEYKIWKKNTPFLYDLVMTHALQ WPSLTVQWLPEVTKPE GKDYALHWLVGLGHTSDEQNHLVV ARVHIPNDDAQFDASHCDSKGEFGGFGSVT GKIECEIKI NHEGEVNRARYMPQNPPIIATKTPSSDVLVFDYTKHPAKP DPSGECNP DLRLRGHQKEGYGLSWNSNLSGHLLSASDDHT VCLWDINAGPKEGKIVDAKAIFTG HSAVVEDVAWHLLHES LFGSVADDQKLMIWDRSNTTSKPSHLVDAHTAEVNCLSF NPYSEFILATGSADKTVALWDLRNLKLKLTTFESHKDEIF QVHWSPHNETILASSGT DRRLNVWDLISKIGEEQSAEDAED GPPELLFIHGGHTAKISDFSWNPNPWWICSVS EDNIMQI WQMAENIYNDEESDVTTSELEGQGS
Sequence Similarities	Belongs to the WD repeat RBAP46/RBAP48/MSI1 family.Contains 7 WD repeats.

GENE INFORMATION

Gene Name	RBBP7 retinoblastoma binding protein 7 [Homo sapiens]
Official Symbol	RBBP7
Synonyms	RBBP7; retinoblastoma binding protein 7; histone-binding protein RBBP7; G1/S transition control protein binding protein RbAp46; histone acetyltransferase type B subunit 2; RbAp46; retinoblastoma binding protein p46; retinoblastoma binding protein RbAp46;
Gene ID	5931
mRNA Refseq	NM_001198719
Protein Refseq	NP_001185648

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MIM	300825
Uniprot ID	Q16576
Chromosome Location	Xp22.22
Pathway	Chromosome Maintenance, organism-specific biosystem; Deposition of New CENPA-containing Nucleosomes at the Centromere, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem; Nucleosome assembly, organism-specific biosystem;
Function	protein binding;

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