

Recombinant Human RBBP-4 Protein

Catalog No.: RP00029 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5928	Q09028

Tags

No tag

Synonyms

NURF55; RBAP48;
lin-53;RBBP4;RBAP48;lin-53

Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	> 92% by SDS-PAGE.

Calculated MW	Observed MW
47.66 kDa	50 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris, 500mM NaCl, pH 7.4. Contact us for customized product form or formulation.

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.

Contact

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Background

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.

Basic Information

Description

Recombinant Human RBBP-4 Protein is produced by insect cell-baculovirus expression system. The target protein is expressed with sequence (Met1-Ser425) of human RBBP-4 (Accession #NP_005601.1).

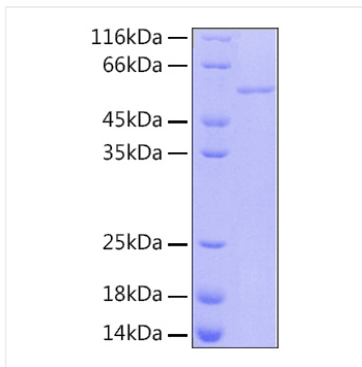
Bio-Activity

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.

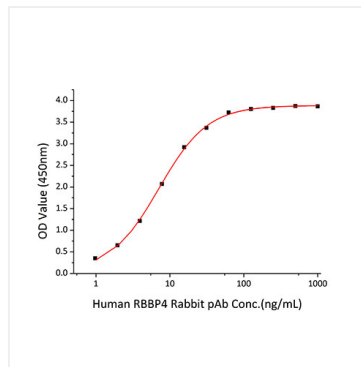
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human RBBP-4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at approximately 50 kDa.



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