

Human RPRD1B Protein (His Tag)



Sino Biological
Biological Solution Specialist

Catalog Number: 14027-H07H

General Information

Gene Name Synonym:

C20orf77; CREPT; dJ1057B20.2; NET60

Protein Construction:

A DNA sequence encoding the human RPRD1B (AAH33629.1) (Met1-Asp326) was expressed with an N-terminal polyhistidine tag.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μ g of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human RPRD1B comprises 346 amino acids and has a predicted molecular mass of 39.3 kDa. The apparent molecular mass of the protein is approximately 39 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

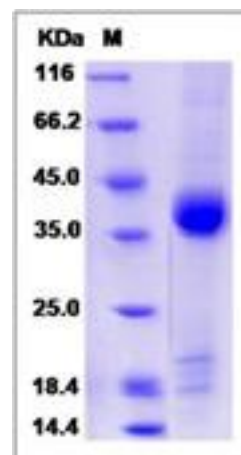
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

RPRD1B, together with RPRD1A, can accompany RNAP II from promoter regions to 3'-untranslated regions during transcription in vivo, predominantly interact with phosphorylated RNAP II, and can reduce CTD S5- and S7-phosphorylated RNAP II at target gene promoters. RNA polymerase II C-terminal domain (CTD) phosphorylation is important for various transcription-related processes. RPRD1B is a transcriptional regulator which enhances expression of CCND1. It also enhances the transcription of a number of other cell cycle-related genes including CDK2, CDK4, CDK6 and cyclin-E but not CDKN1A, CDKN1B or cyclin-A.

References

1.Ni Z. et al., 2011, *Transcription*. 2 (5): 237-42. 2.Kristensen AR. et al., 2012, *Nat Methods*. 9 (9): 907-9. 3.Woods NT. et al., 2012, *Sci Signal*.5 (242): rs6.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

For US Customer: Fax: 267-657-0217 ● Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 ● Tel:+86-400-890-9989 ● <http://www.sinobiological.com>