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Datasheet for 009-001-T16S

Rb protein-GST fusion

Overview

Description:	Rb recombinant protein-GST fusion protein - 009-001-T16S
Item No.:	009-001-T16S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Rb is the retinoblastoma gene product and was the first tumor suppressor cloned. Rb is a negative regulator of the cell cycle through its ability to bind the transcription factor E2F and repress transcription of genes required for S phase (1). Rb can bind to MDM2 and this overcomes both the antiapoptotic function of MDM2 and the MDM2-dependent degradation of p53. Rb associates with the Polycomb group (PcG) proteins to form a repressor complex that blocks entry of cells into mitosis (2). Rb colocalizes with nuclear PcG complexes and is important for association of PcG complexes with nuclear targets. Rb Protein is ideal for investigators involved in Signaling Reagents, Protein Substrates, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	RB1, OSRC, pRb, pp110, p105-Rb, Retinoblastoma 1
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	RB1
Purity/Specificity:	Recombinant human Rb (773-928) was expressed in E.coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >85% by densitometry.
Relevant Links:	• NCBI - NM_000321

Application Details

Application Note:	Rb Protein is stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. Rb Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~44kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiration:	Expiration date is one (1) year from date of receipt.

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