

Rb recombinant protein

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CATALOG #
AAA72900

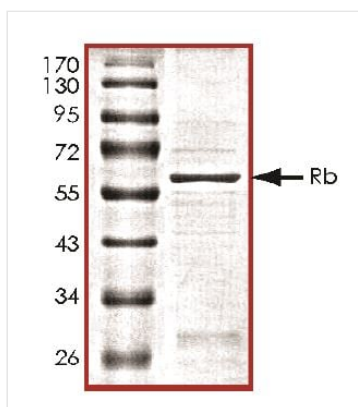
PRODUCT SYNONYMS

Rb; Rb recombinant protein; RB1; OSRC

PRODUCT SPECIFICATIONS

Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.2 ug/ul (varies by lot)
Sequence Positions	48-378
Sequence Length	4772
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



Purity

The purity of Rb was determined to be >90% by densitometry. Approx. MW 62kDa.

ADDITIONAL INFORMATION

Related Product Information for Rb recombinant protein

Description: Recombinant human Rb (48-378) was expressed in E. coli cells using an N-terminal GST tag.

Scientific 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.

Product Categories/Family for Rb recombinant protein	Proteins Substrates; Signaling Reagents - Protein Substrates
References	1. Hanahan, D. et al: The hallmarks of cancer. Cell 100: 57-70, 2000. 2. Dahiya, A. et al: Linking the Rb and Polycomb pathways. Molec. Cell 8: 557-568, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	108773786
NCBI GeneID	5925
NCBI Accession #	NM_000312
NCBI GenBank Nucleotide #	NM_000321
UniProt Accession #	P06400; P78499; Q5VW46; Q8IZL4; A8K5E3
NCBI Official Full Name	Homo sapiens retinoblastoma 1 (RB1), mRNA
NCBI Official Synonym Full Names	retinoblastoma 1
NCBI Official Symbol	RB1
NCBI Official Synonym Symbols	RB; pRb; OSRC; pp110; p105-Rb
NCBI Protein Information	retinoblastoma-associated protein; retinoblastoma susceptibility protein
UniProt Protein Name	Retinoblastoma-associated protein
UniProt Gene Name	RB1
UniProt Synonym Gene Names	Rb
UniProt Entry Name	RB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rb1-recombinant-protein/72900>