

Recombinant Human RB1, GST-tagged

Cat. No. RB1-570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RB1, fused with N-terminal GST tag, was expressed in an E. coli expression system.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a negative regulator of the cell cycle and was the first tumor suppressor gene found. The encoded protein also stabilizes constitutive heterochromatin to maintain the overall chromatin structure. The active, hypophosphorylated form of the protein binds transcription factor E2F1. Defects in this gene are a cause of childhood cancer retinoblastoma (RB), bladder cancer, and osteogenic sarcoma.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 18 mM Glutathione, 10% glycerol, and 3 mM DTT.
Molecular Mass	43.5 kDa
Purity	≥ 47%
Applications	Kinase substrate for the kinase assay; western blot
Storage	>6 months at –80°C

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	RB1 retinoblastoma 1 [Homo sapiens]
Official Symbol	RB1
Synonyms	RB1; retinoblastoma 1; RB; pRb; OSRC; pp110; p105-Rb; RB1; osteosarcoma; OTTHUMP00000018397; Rb; retinoblastoma susceptibility protein; retinoblastoma-associated protein
Gene ID	5925
mRNA Refseq	NM_000321
Protein Refseq	NP_000312
MIM	180200
UniProt ID	P06400
Chromosome Location	13q14.2
Pathway	Bladder cancer; Cell cycle; Chronic myeloid leukemia; Glioma; Melanoma; Non-small cell lung cancer; Pancreatic cancer;
Function	androgen receptor binding; kinase binding; phosphoprotein binding; transcription coactivator activity; transcription factor activity; transcription factor binding; transcription repressor activity; ubiquitin protein ligase binding

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA