Recombinant Human RB1 Protein, GST-tagged

Cat. No. RB1-382H **Lot. No.** (See product label)

SPECIFICATION

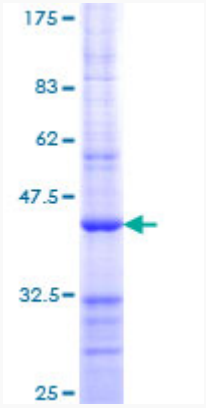
Product Overview	Recombinant Human RB1 Protein is produced by in Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	371-470 a.a.
Description	The protein encoded by this gene is a negative regulator of the cell 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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa
AA Sequence	PHTPVRTVMNTIQQLMMILNSASDQPSENLISYFNNCTVNPKESILKRVKDIGYIFKEK FAKAVGQGCVEIGSQRYKLGVRLYYRVMESMLKSEEERLSI
Notes	Best use within three months from the date of receipt of this protein.

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RB1 retinoblastoma 1 [Homo sapiens]
Official Symbol	RB1
Synonyms	RB1; retinoblastoma 1; OSRC, osteosarcoma; retinoblastoma-associated protein; RB; retinoblastoma suspectibility protein; pRb; OSRC; pp110; p105-Rb;
Gene ID	5925
mRNA Refseq	NM_000321
Protein Refseq	NP_000312
MIM	614041
UniProt ID	P06400



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12.5% SDS-PAGE Stained with Coomassie Blue.

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