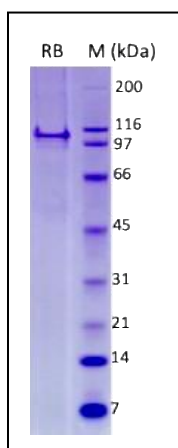


## Recombinant RB1 Protein

| Catalog Number | Size |
|----------------|------|
| AG1107-10      | 10ug |
| AG1107-25      | 25ug |
| AG1107-B       | Bulk |

### Description

The retinoblastoma transcriptional corepressor 1 (RB1) protein was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 939 (924+15) amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 110kDa.



MHHHHHHGRRASVLETPRKTAATAAAAAEPPAPPPPPPEEDPEQDSGPEDLPL  
 VRLEFEETEEPDFTALCQKLKIPDHVRERAWLTWEKVSSVDGVLGGYIQKKELW  
 GICIFIAAVDLDEMSFTFTTELQKNIEISVHKFFNLLKEIDTSTKVDNAMSRLKK  
 YDVLFAFSLKERTCELIYLTQPSSSISTEINSALVLKVSWITFLLAKGEVLQME  
 DDLVISFQLMLCVLDYFIKLSPPMLLKEPYKTAVIPINGSPTPRRGQNSARIA  
 KQLENDTRIIEVLCKEHECNIDEVKNVYFKNFIPFMNSLGLVTSNGLPEVENLSK  
 RYEEIYLKNKDLARFLDHDKTLQTDSIDSFETQRTPRKSNLDEEVNIPPHTP  
 VRTVMNTIQQLMMILNSASDQPSNLSYFNNCTVNPKEILKRVKDIGYIFKEK  
 FAKAVGQGCVEIGSQRYKLGVRLYYRMESMLKSEEERLSIQNFSKLLNDNIFHM  
 SLLACALEVVMATYSRSTSNLDSGTDLSFPWILNVLNLKAFDFYKVIESFIKAE  
 GNLTREMIKHLECEHRIMESLAWLSDSPLFDLIKQSKDREGPTDHLESACPLNL  
 PLQNNHTAADMYLSPVRSPKKKGSTTRVNSTANAETQATSAFQTQKPLKSTSLSL  
 FYKKVYRLAYLRLNTLCERLLSEHPELEHI IWTLFQHTLQNEYELMRDRHLDQIM  
 MCSMYGICKVKNIDLKFKIIVTAYKDLPHAVQETFKRVLIKEEYDSIIIVFNSV  
 FMQRLKTNILQYASTRPPTLSPIPHIPRSPYKFPSSPLRIPGGNIYISPLKSPYK  
 ISEGLPTPTKMTPRSRLVLSIGESFGTSEKFQKINQMVCNSDRVLKRSAGSNPP  
 KPLKKLRFDIEGSDEADGSKHLPGESKFQQKLAEMTSTRTRMQKQKMNDSDMTSN  
 KEEK-

### Accession Number

NM\_000321

### Molecular Mass

Approximately 110kDa.

### Purity

≥90%, as determined by SDS-PAGE.

### Biological Activity

The RB1 protein acts as a tumor suppressor by interacting with transcription factor E2F1. Defects of RB1 that are a cause of childhood retinoblastoma, bladder cancer and osteogenic sarcoma. The recombinant RB1 protein can be used for the studies of transcription assays, protein-protein interactions and other related function assays.

### Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.



[www.ascentgene.com](http://www.ascentgene.com)

Tel: 1-800-689-2270 or 301-476-0885

Email: [info@ascentgene.com](mailto:info@ascentgene.com)

---

**Storage**

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. (***Avoid repeated freeze-thaw cycle***)

**FOR RESEARCH USE ONLY!!!**