

Datasheet for ABIN7563994  
**p107 Protein (AA 1-1063) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	p107 (RBL1)
Protein Characteristics:	AA 1-1063
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This p107 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Rbl1 Protein expressed in mammalien cells.
Sequence:	MFEDEPHAEG AA AVAAAREA LQALCQELNL DEGSAEALD DFTAIRGNYS LEGEVIHWLA CSLYVACRKS IIP TVGKGVM EGNCVSLTRI LRS AKLSLIQ FFSKMKKWMD MSNLPQEFRE RIERLERNFE VSTVIFKKFE PIFLDIFQNP YEEPPKLPRS RKQRRIPCSV KDLNFNCWTL FVYTKGNFRM IGDDL VNSYH LLLCCLDLIF ANAIMCPNRR DLLNPSFKGL PSDFHAPDFK AAEPPCIIA VLCDLHDGLL VEA KGIKEHY FKPYISKLFD KKILKGECLL DLSSFTD NSK AVNKEYEEYV LTVGDFDERI FLGADAE EEEI GTPRKFTADT PFGKLT SQAS VECNLQQHFE KKRSFAPSTP LTGRRYLQEK EAVTTPVASA TQSVSRLQSI VAGLKSAPSE QLLNIFESCM RNPMGNIKI VKGIGETFCQ HYTQSTDQKP GSHIDFAVNR LKLA EILYYK ILETIMVQET RRLHGMDMSV LLEQDIFHKS LMACCLEIVL FAYSSPRTFP WIEVLDLQP FYFYKVIEVV IRSEEGLSRD MVKHLNSIEE QILES LAW TN NSALWEALHA SANRVPSCEE VIFPNNFEIG NGGNVQGHLP MMPMSPIIHP RVKEVRTDSG SLRQDMQPLS PISVHERYSS PAAGSAKRRL

## Product Details

---

FGDDPPKDTL MDKIMAEGTK LKIAPSSVTA ESLSISPGQA LLTMATTTVT GTTGRKVTVP  
LHGIANDAGE ITLVPISMNP TQESTAESPV SLTAQSLIGT SPKQTHLTKA QDAHLTGVS  
PKRTGSLALF YRKVYHLASV RLRDLCLKLD VSNELRRKIW TCFEFTLVHC PDLMKDRHLD  
QLLLCAFYIM AKVTKEERTF QEIMKSYRNQ PQANSHVYRS VLLKSIPGGV VVYNGDCEMT  
DGDIEDATKT PNCSSPEVKE ERGDLIKFYN TVYVGRVKSF ALKYDLSNQD HIMDAPPLSP  
FPHIKQQPGS PRRISQQHSL YVSPHKNGAG LTPRSALLYK FNGSPSKSLK DINNMIRQGE  
QKTKKRVIAl SGDADSPAKR LCQENDDVLL KRLQDVVSR ANH **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

---

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

---

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

---

### Grade:

custom-made

---

## Target Details

---

### Target:

p107 (RBL1)

---

### Alternative Name:

Rbl1 ([RBL1 Products](#))

---

### Background:

Retinoblastoma-like protein 1 (107 kDa retinoblastoma-associated protein) (p107) (pRb1),FUNCTION: Key regulator of entry into cell division (By similarity). Directly involved in heterochromatin formation by maintaining overall chromatin structure and, in particular, that of

## Target Details

---

constitutive heterochromatin by stabilizing histone methylation (PubMed:15750587). Recruits and targets histone methyltransferases KMT5B and KMT5C, leading to epigenetic transcriptional repression (PubMed:15750587). Controls histone H4 'Lys-20' trimethylation (PubMed:15750587). Probably acts as a transcription repressor by recruiting chromatin-modifying enzymes to promoters (PubMed:15750587). Potent inhibitor of E2F-mediated trans-activation (By similarity). May act as a tumor suppressor (By similarity).  
{ECO:0000250|UniProtKB:P28749, ECO:0000269|PubMed:15750587}.

---

Molecular Weight: 119.5 kDa

---

UniProt: [Q64701](#)

---

Pathways: [Cell Division Cycle, Mitotic G1-G1/S Phases](#)

## Application Details

---

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Buffer: The buffer composition is at the discretion of the manufacturer.

---

Handling Advice: Avoid repeated freeze-thaw cycles.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C.

---

Expiry Date: 12 months