

**RPB317Mu01 10 $\mu$ g**  
**Recombinant Perforin 1 (PRF1)**  
**Organism Species: *Mus musculus* (Mouse)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## [ **PROPERTIES** ]

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Val40~Lys355

**Tags:** Two N-terminal Tags, His-tag and GST-tag

**Tissue Specificity:** Lung, Brain, Liver, Kidney.

**Subcellular Location:** Cytoplasmic granule lumen. Secreted. Cell membrane;  
Multi-pass membrane protein. Endosome lumen.

**Purity:** >92%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.

**Original Concentration:** 200ug/mL

**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; ReporterAssays; Purification;  
Amine Reactive Labeling.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.8

**Predicted Molecular Mass:** 67.2kDa

**Accurate Molecular Mass:** 65kDa as determined by SDS-PAGE reducing conditions.

## [ **USAGE** ]

Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## [ **STORAGE AND STABILITY** ]

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

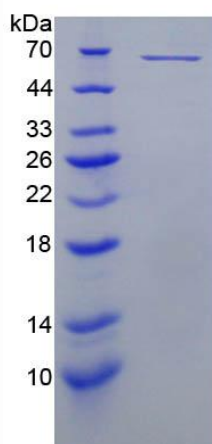
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ SEQUENCE ]**

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                                     V WMAGEGMDVT
TLRRSGSFPV NTQRFLRPDR TCTLCKNSLM RDATQRLPVA ITHWRPHSSH
CQRNVAAAKV HSTEGVAREA AANINNDWRV GLDVNPRPEA NMRASVAGSH
SKVANFAAEK TYQDQYNFNS DTVECRMYSF RLVQKPPLHL DFKKALRALP
RNFNSSTEHA YHRLISSYGT HFITAVDLGG RISVLTALRT CQLTLNGLTA
DEVGDCLNVE AQVSIQAQAS VSSEYKACEE KKKQHKMATS FHQTYRERHV
EVLGGPLDST HDLLFGNQAT PEQFSTWTAS LPSNPGLVDY SLEPLHTLLE
EQNPK
    
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**[ IDENTIFICATION ]**



**Figure 1. SDS-PAGE**