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**YBB317Hu01 50µg**

**Recombinant Perforin 1 (PRF1)**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Lys32~Phe316

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

**Homology:** Mouse 68%, rat 69%

**Tissue Specificity:** Spleen, liver, lung.

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

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg (determined by the LAL method).

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200ug/mL

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

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

**Predicted isoelectric point:** 7.0

**Predicted Molecular Mass:** 63.4kDa



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**Accurate Molecular Mass:** 62kDa as determined by SDS-PAGE reducing conditions.



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## [ USAGE ]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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 ]

KRSHKFVPG AWLAGEGVDV  
TSLRRSGSFP VDTQRFLRPD GTCTLCENAL QEGTLQRLPL ALTNWRAQGS  
GCQRHVTRAK VSSTEAVARD AARSIRNDWK VGLDVT PKPT SNVHVS VAGS  
HSQAANFAAQ KTHQDQYSFS TDTVECRFYS FHVVHTPPLH PDFKRALGDL  
PHHFNASTQP AYLRLLISNYG THFIRAVELG GRISALTALR TCELALEGLT  
DNEVEDCLTV EAQVNIGIHG SISAEAKACE EKKKKHKMTA SFHQTYRERH  
SEVVGGHHTS INDLLF

## [ IDENTIFICATION ]

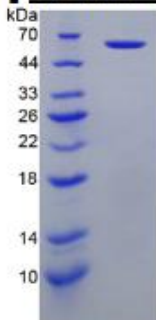


Figure 1. SDS-PAGE



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