

RPB317Mu01 10 μ 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

10th Edition (Revised in Jan, 2014)

[**PROPERTIES**]

Residues: Val40~Lys355

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

Accession: P10820

Host: *E. coli*

Subcellular Location: Cytoplasmic granule lumen.

Secreted. Cell membrane; Multi-pass membrane protein. Endosome lumen.

Purity: >90%

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

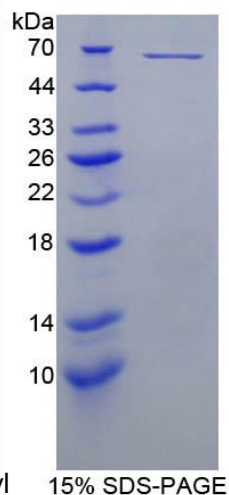
Formulation: Supplied as lyophilized form in 10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and preservative.

Predicted isoelectric point: 6.8

Predicted Molecular Mass: 67.2kDa

Applications: SDS-PAGE; WB; ELISA; IP.

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



[**USAGE**]

Reconstitute in sterile ddH₂O.

[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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

V WMAGEGMDVT TLRRSGSFPV NTQRFLRPDR TCTLCKNSLM RDATQRLPVA
ITHWRPHSSH CQRNVAAAKV HSTEGVAREA AANINNDWRV GLDVNPRPEA
NMRASVAGSH SKVANFAAEK TYQDQYNFNS DTVECRMYSF RLVQKPPHL DFKKALRALP
RNFNSSTEHA YHRLISSYGT HFITAVDLGG RISVLTALRT CQLTLNGLTA DEVDGCLNVE
AQVSIQAQAS VSSEYKACEE KKKQHKMATS FHQTYRERHV EVLGGPLDST HDLLFGNQAT
PEQFSTWTAS LPSNPGLVDY SLEPLHTLLE EQNPK

[REFERENCES]

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3. Lowrey D.M., *et al.* (1989) *Proc. Natl. Acad. Sci. U.S.A.* 86:247-251.
4. Bose A., *et al.* (2003) *J. Immunol.* 170:1611-1614.