

Recombinant Perforin 1 (PRF1) Instruction Manual

SIPB221Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Secreted, Endosome
Predicted Molecular Mass	62.9kDa
Accurate Molecular Mass	63kDa(Analysis of differences refer to the manual)
Residues & Tags	Pro22~Trp555 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 80%
Isoelectric Point	7.8
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                PCHTAARSE CKRSHKFVPG AWLAGEGVDV
TSLRRSGSFP VDTQRFLRPD GTCTLCENAL QEGTLQRLPL ALTNWRAQGS
GCQRHVTRAK VSSTEAVARD AARSIRNDWK VGLDVTPKPT SNVHVSVAGS
HSQAANFAAQ KTHQDQYSFS TDTVECRFYS FHVVHTPPLH PDFKRALGDL
PHHFNASTQP AYLRLISNYG THFIRAVELG GRISALTALR TCELALEGLT
DNEVEDCLTV EAQVNIIGIHG SISAEAKACE EKKKKHKMTA SFHQTYRERH
SEVVGGHHTS INDLLFGIQA GPEQYSAWVN SLPGSPGLVD YTLEPLHVLL
DSQDPRREAL RRALSQYLTD RARWRDCSRP CPPGRQKSPR DPCQCVCCHGS
AVTTQDCCPR QRGLAQLEVT FIQAWGLWGD WFTATDAYVK LFFGGQELRT
STVWDNNNPI WSVRLDFGDV LLATGGPLRL QVWDQDSGRD DDLLGTCDQA
PKSGSHEVRC NLNHGHLKFR YHARCLPHLG GGTCLDYVPQ MLLGEPGMR
SGAVW
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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

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

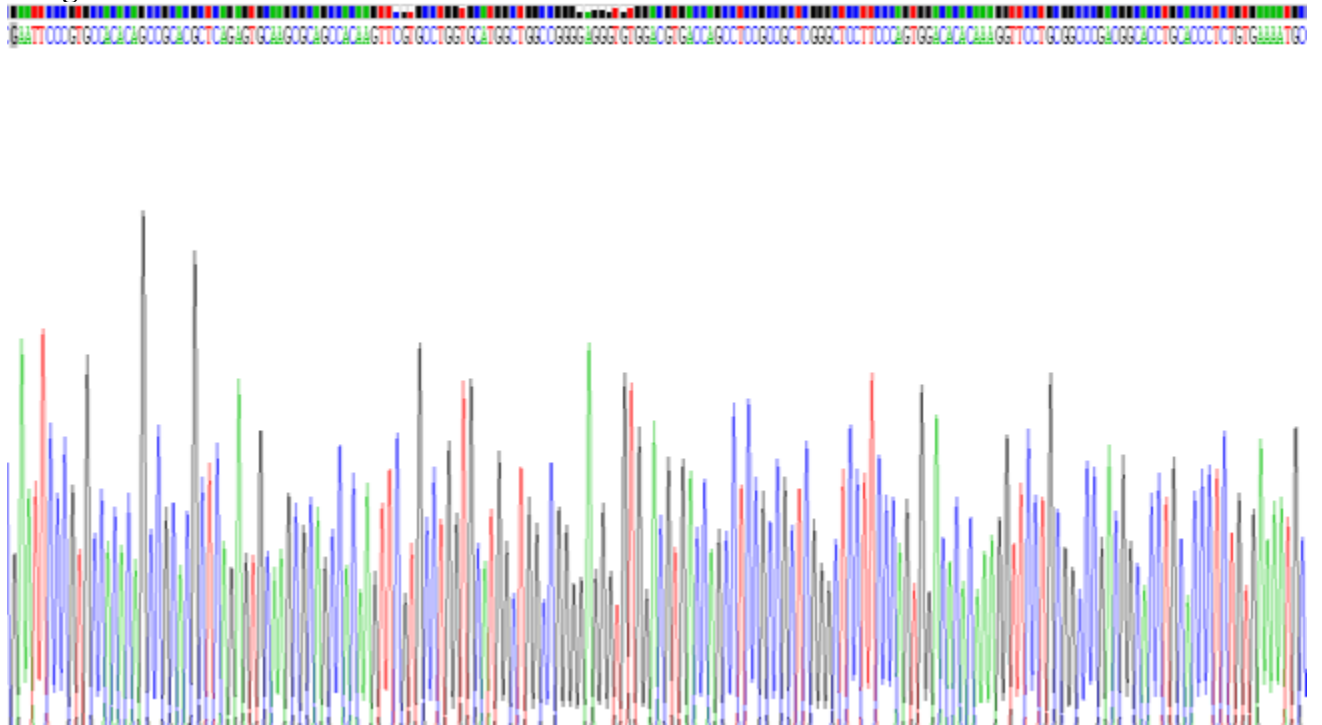


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.