

Perforin 1 Recombinant Protein | PRF1 recombinant protein

Recombinant Perforin 1 (PRF1)

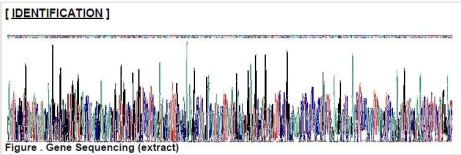
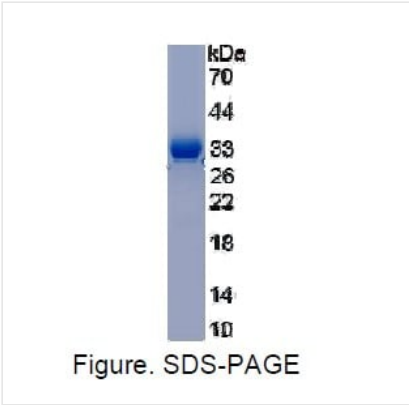
CATALOG # AAA144195	HOST E.coli	REACTIVITY Rattus norvegicus (Rat)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Perforin 1; Recombinant Perforin 1 (PRF1); PRF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Rattus norvegicus (Rat)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 500ug/mL (varies by lot)
Applicable Applications for PRF1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ala120~Asp353
Tags	N-terminal His Tag
Subcellular Location	Membrane, Secreted, Endoplasmic reticulum lumen
Traits	Freeze-dried powder
Predicted Isoelectric point	6.4
Predicted Molecular Mass	29.6kDa
Phenomenon Explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree 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 degree 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.



Application Data
Figure . Gene Sequencing (extract)

SDS-PAGE
Figure. SDS-PAGE

[SEQUENCE]
AAANINNDWRAGLDVNPKEANVHVSVAGSHSKIANFAAEKAHQDQYNFN
TDTVECRMYSFRLAQKPPHDPFRKALKNLPHNFSSTEHAAYRRJSSYGTHFIT
AVDLGGRVSVLTALRTCOLTLDGLTADDEVGDCLVDAQVSIQAQASVSSEYKAC
EEKKKQHKIATSFHQITYRERHVEVLGGPLDSSNDLLFGNQATPEHFSTWIASLP
TRPDVVVDYSLEPLHILLEDSD

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	133908621
NCBI GeneID	5551
NCBI Accession #	NP_001076585.1
NCBI GenBank Nucleotide #	NM_001083116.1
Molecular Weight	33kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	perforin-1
NCBI Official Synonym Full Names	perforin 1 (pore forming protein)
NCBI Official Symbol	PRF1
NCBI Official Synonym Symbols	P1; PFP; FLH2; PFN1; HPLH2
NCBI Protein Information	perforin-1
UniProt Protein Name	Perforin-1
UniProt Gene Name	PRF1
UniProt Synonym Gene Names	PFP; P1; PFP
UniProt Entry Name	PERF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.