

Recombinant Human PRF1 293 Cell Lysate

Cat. No. PRF1-2873HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for perforin 1 (pore forming protein) (PRF1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PRF1 perforin 1 (pore forming protein) [Homo sapiens]

Official Symbol

PRF1

Synonyms

PRF1; perforin 1 (pore forming protein); perforin-1; HPLH2; P1; Perforin; perforin 1 (preforming protein); PFP; cytolyisin; lymphocyte pore forming protein; lymphocyte pore-forming protein; FLH2; PFN1; MGC65093;

Gene ID

5551

mRNA Refseq

NM_001083116

Protein Refseq

NP_001076585

MIM

170280

UniProt ID

P14222

**Chromosome
Location**

10q22

Pathway

Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Apoptosis, organism-specific biosystem; Autoimmune thyroid disease, organism-specific biosystem; Autoimmune thyroid disease, conserved biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Downstream signaling

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in naive CD8+ T cells, organism-specific biosystem;

Function

calcium ion binding; protein binding; wide pore channel activity;

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