

## Native Human Perforin

Cat. No. PRF1-55H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified from human cytotoxic granules.
<b>Species</b>	Human
<b>Source</b>	Human Cytotoxic Granules of YT Cell
<b>Form</b>	Liquid in 0.15M NaCl with protein stabilizer. Product provided as 1 g vial of Perforin (PFN) and 1 mL vial of PFN Dilution Buffer.
<b>Molecular Mass</b>	~70 kDa
<b>Usage</b>	For in vitro research use only. Not for use in diagnostics or in humans.
<b>Storage</b>	The stock solution may be diluted 10-fold with the provided dilution buffer. Prepare aliquots and store at -80°C. Diluted aliquots tolerate two freeze-thaw cycles and are stable for up to 3 months when stored at -80°C and for ~12 hours when stored at +4°C. Avoid freeze/thaw cycles.
<b>Warning</b>	No warranties, expressed or implied, are made regarding the use of this product. Creative Biomart is not liable for any damage, personal injury, or economic loss caused by this product. For maximum product recovery after thawing, centrifuge the vial before opening the cap.

### GENE INFORMATION

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<b>Gene Name</b>	PRF1 perforin 1 (pore forming protein) [ Homo sapiens ]
<b>Official Symbol</b>	PRF1
<b>Synonyms</b>	PRF1; perforin 1 (pore forming protein); perforin-1; HPLH2; P1; Perforin; perforin 1 (preforming protein); PFP; cytolysin; lymphocyte pore forming protein; lymphocyte pore-forming protein; FLH2; PFN1; MGC65093;
<b>Gene ID</b>	5551
<b>mRNA Refseq</b>	NM_001083116
<b>Protein Refseq</b>	NP_001076585
<b>MIM</b>	170280
<b>UniProt ID</b>	P14222
<b>Chromosome Location</b>	10q22
<b>Pathway</b>	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 in naive CD8+ T cells, organism-specific biosystem;
<b>Function</b>	calcium ion binding; protein binding; wide pore channel activity;

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