Native Human Perforin

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

SPECIFICATION

Product Overview	Purified from human cytotoxic granules.
Species	Human
Source	Human Cytotoxic Granules of YT Cell
Form	Liquid in 0.15M NaCl with protein stabilizer. Product provided as 1 μg vial of Perforin (PFN) and 1 mL vial of PFN Dilution Buffer.
Molecular Mass	~70 kDa
Usage	For in vitro research use only. Not for use in diagnostics or in humans.
Storage	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.
Warning	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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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; cytolysin; 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 in naive CD8+ T cells, organism-specific biosystem;
Function	calcium ion binding; protein binding; wide pore channel activity;

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