



# Recombinant Rat Perforin-1 (PRF1), partial

<b>Product Code</b>	CSB-MP018668RA
<b>Relevance</b>	Plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells. Can insert into the mbrane of target cells in its calcium-bound form, oligomerize and form large pores. Promotes cytolysis and apoptosis of target cells by facilitating the uptake of cytotoxic granzymes.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P35763
<b>Alias</b>	Cytolysin;Lymphocyte pore-forming protein
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>           ATRSECKQNHKFPVPGVWAAGEGVDVTTLRRSSSFVNTGKFLRPDRTCTLCK            NALMNDGIQRLPVAIAHWRPHGSHCQRNVATTKVSSTEGVAREAAANINNDW            RAGLDVNPKEANVHVSVAGSHSKIANFAAEKAHQDQYNFNTDTVECRMYSF            RLAQKPPLHPDFRKALKNLPHNFNSSTEHA YRRLISSYGTHFITAVDLGGRVSV            LTALRTCQLTLDGLTADEVGDCLSVEAQVSIQAQASVSSEYKACEEKKKQHKIA            TSFHQTYRERHVEVLGGPLDSSNDLLFGNQATPEHFSTWIASLPTRPDVVDYS            LEPLHILLESDPKREALRQAISHYVMSRARWRDCNRPCRAGQHKSSRDSCQ            CVCQDSNVTNQDCCPRQRGLAKLMVRNFQAKGLWGDYITSTDAYLKVFFGG            QEIRTGVVWNNNHPWSDKMDFGNVLLSTGGPLRVQVWDADNGWDDDLLG            TCDKSPKSGFHEVNCPLNHGSIKFIYQANCLPDLTGETCLEYAPQGLLGDP            NRSGAVW         </p>
<b>Research Area</b>	Others
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Prf1
<b>Protein Names</b>	Recommended name: Perforin-1 Short name= P1 Alternative name(s): Cytolysin Lymphocyte pore-forming protein
<b>Expression Region</b>	25-554aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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