

Recombinant Rat PRF1 Protein (25-554 aa), His-tagged

Cat. No. PRF1-738R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat PRF1 Protein (25-554 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Rat
Source	E.coli
ProteinLength	25-554 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	62.9 kDa
AA Sequence	ATRSECKQNHKFVPGVWAAGEGVDVTTLRRSSSFPVNTGKFLRPDRTCTLCKNAL MNDGIQRLPVAIAHWRPHGSHCQRNVATTKVSSTEGVAREAAANINNDWRAGLDV NPKPEANVHVSVAGSHSKIANFAAEKAHQDQYNFNTDTVECRMYSFRLAQKPPLHP DFRKALKNLPHNFNSSTEHAYRRLISSYGTHFITAVDLGGRVSVLTALRTCQLTLDGL TADEVGDCLSVEAQVSIGAQASVSSEYKACEEKKKQHKIATSFHQTYRERHVEVLG GPLDSSNDLLFGNQATPEHFSTWIASLPTRPDVVDYSLEPLHILLEDSDPKREALRQ

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AISHYVMSRARWRDCNRPCRAGQHKSSRDSCQCVCQDSNVTNQDCCPRQRGLAK
LMVRNFQAKGLWGDYITSTDAYLKVFFGGQEIRTGVVWNNNHPSWSDKMDFGNVL
LSTGGPLRVQVWDADNGWDDDLLGTCDKSPKSGFHEVNCPLNHGSIKFIYQANCLP
DLTGETCLEYAPQGLLDPRGNRSGAVW

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Prf1 perforin 1 \(pore forming protein\) \[Rattus norvegicus \]](#)

Official Symbol [PRF1](#)

Synonyms PRF1; perforin-1; P1; cytolysin; Cyta; RATCYTA; MGC108712;

Gene ID [50669](#)

mRNA Refseq [NM_017330](#)

Protein Refseq [NP_059026](#)

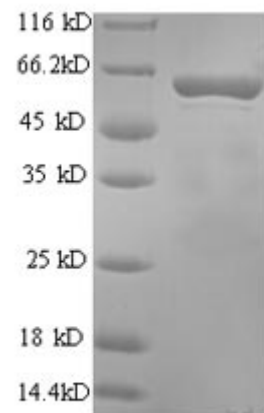
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UniProt ID

P35763



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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