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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

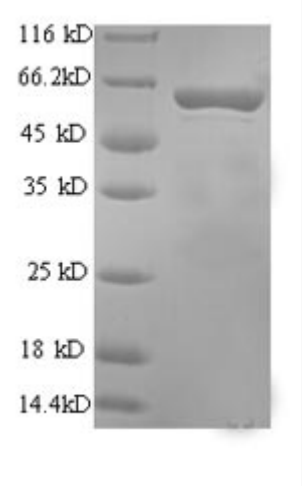
	AISHYVMSRARWRDCNRPCRAGQHKSSRDSCQCVCQDSNVTNQDCCPRQRGLAK LMVRNFQAKGLWGDYITSTDAYLKVFFGGQEIRTGVVWNNNHPSWSDKMDFGNVL LSTGGPLRVQVWDADNGWDDDLLGTCDKSPKSGFHEVNCPLNHGSIKFIYQANCLP DLTGETCLEYAPQGLLGDPRGNRSGAVW
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P35763



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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA