

Recombinant Mouse PRF1 Protein (21-554 aa), His-tagged

Cat. No. PRF1-1931M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PRF1 Protein (21-554 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Immunology. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Yeast
ProteinLength	21-554 aa
Description	Plays a key role in secretory granule-dependent cell death, and in defense against virus-infected or neoplastic cells. Plays an important role in killing other cells that are recognized as non-self by the immune system, e.g. in transplant rejection or some forms of autoimmune disease. Can insert into the membrane 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	61.2 kDa
AA Sequence	PCYTATRSECKQKHKFPVPGVWMAGEGMDVTTLRRSGSFPVNTQRFLRPDRTCTLC KNSLMRDATQRLPVAITHWRPHSSHQCRNVAAAKVHSTEGVAREAAANINNDWRV GLDVNPRPEANMRASVAGSHSKVANFAAEKTYQDQYNFNSDVECRMYSFRLVQK PPLHLDFKKALRALPRNFNSSTEHAYHRLISSYGTHFITAVDLGGRISVLTALRTCQLT

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



LNGLTADEVGDCLNVEAQVSIGAQASVSSEYKACEEKKKQHKMATSFHQTYRERHV
 EVLGGPLDSTHDLLFGNQATPEQFSTWTASLPSNPGLVDYSLEPLHTLLEEQNPKR
 EALRQAISHYIMSRARWQNCSPCRSGQHKSSHDSQCCECQDSKVTNQDCCPRQ
 RGLAHLVVSNFRAEHLWGDYTTATDAYLKVFFGGQEFRTGVVWNNNNPRWTDKM
 DFENVLLSTGGPLRVQVWDADYGWDDDLLGSCDRSPHSGFHEVTCELNHGRVKFS
 YHAKCLPHLTGGTCLEYAPQGLLDPPGNRSGAVW

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 reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Prf1 perforin 1 (pore forming protein) [<i>Mus musculus</i>]
Official Symbol	PRF1
Synonyms	PRF1; perforin-1; P1; cytolysin; Pfn; Pfp; Prf-1;
Gene ID	18646
mRNA Refseq	NM_011073

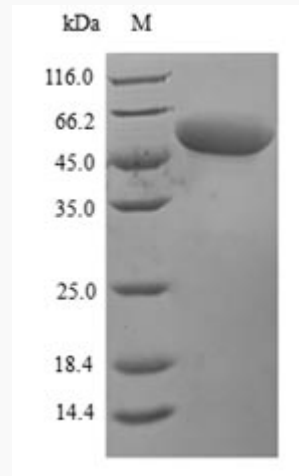
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Protein Refseq NP_035203

UniProt ID P10820



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

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