

Recombinant Porphyromonas Gingivalis RGPA Protein (228-720 aa), His-tagged

Cat. No. RGPA-1593P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Porphyromonas Gingivalis RGPA Protein (228-720 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Porphyromonas Gingivalis
Source	Yeast
ProteinLength	228-720 aa
Description	Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Its proteolytic activity is a major factor in both periodontal tissue destruction and in bacterial host defense mechanisms. Activates complement C3 and C5.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	56.0 kDa
AA Sequence	YTPVEEKQNGRMIVIVAKKYEGDIKDFVDWKNQRGLRTEVKVAEDIASPVTANAIQQ FVKQEYEKEGNDLTYVLLVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNEVFIGRFSC ESKEDLKTQIDRTIHYERNITTEDKWLGQALCIASAEAGGPSADNGESDIQHENVIANL LTQYGYTKIIKCYDPGVTPKNIIDAFNGGISLVNYTGHGSETAWGTSHFGTTHVKQLT NSNQLPFIFDVACVNGDFLFSMPCFEALMRAQKDGKPTGTVAIIASTINQSWASPM

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RGQDEMNEILCEKHPNNIKRTFGGVTMNGMFAMVEKYKKDGEKMLDTWTVFGDPS
 LLVRTLVP TKMQVTAPAQINLT DASVNVSCDYNGAIATISANGKMFGSAVVENG TATI
 NLTGLTNESTLT LT VVGYNKETVIKTINTNGEPNPYQPVS NL TATTQGQKVT LK WDA
 PSTKT NAT T NTARSVDGIRELVLLSVSDAPELLRS

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

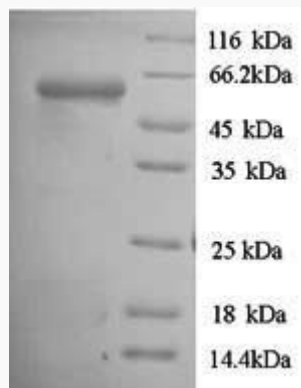
Synonyms rgpA; Arg-gingipain; Gingipain 1RGP-1;

UniProt ID [P28784](#)

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

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