

Recombinant Porphyromonas Gingivalis RGPA Protein (228-720 aa), His-B2M-tagged

Cat. No. RGPA-2161P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Porphyromonas Gingivalis RGPA Protein (228-720 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-B2M tag at the N-terminal. Protein Description: Partial.
Species	Porphyromonas Gingivalis
Source	E.coli
ProteinLength	228-720 aa
Description	Thiol protease. Acts synergistically with RgpB to catalyze the maturation of fimbrial subunits, such as FimA. Its proteolytic activity is a major factor in both periodontal tissue destruction and in evasion of host defense mechanisms.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	68.0 kDa
AA Sequence	YTPVEEKQNGRMIVIVAKKYEGDIKDFVDWKNQRGLRTEVKVAEDIASPVTANAIQQ FVKQEYEKEGNDLTYYLLVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNEVFIGRFSC ESKEDLKTQIDRTIHYERNITTEDKWLGQALCIASAEAGGPSADNGESDIQHENVIANL LTQYGYTKIIKCYDPGVTPKNIIDAFNGGISLVNYTGHGSETAWGTSHFGTTHVKQLT NSNQLPFIFDVACVNGDFLFSMPCFAEALMRAQKDGKPTGTVAIIASTINQSWASPM RGQDEMNEILCEKHPNNIKRTFGGVMTNMGFMAMVEKYKKDGEKMLDTWTVFVGDP

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LLVRTLVPTKMQVTAPAQINLTDA SVN VSCDYNGAIATISANGKMFGSAVVENG TATI
 NLTGLTNESTLTTLTVVGYNKETVIKTINTNGEPNPYQPVS NLTATTQGQKVT LKWDA
 PSTKTNATTNTARSVDGIRELVLLSVSDAPELLRS

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 will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

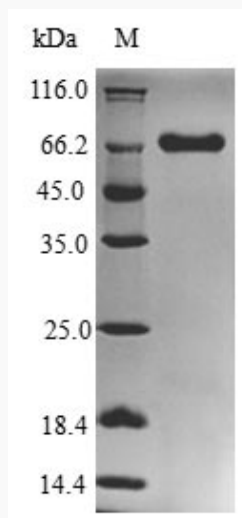
Synonyms rgpA; Arg-gingipain Gingipain 1 RGP-1;

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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