

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

### SPECIFICATION

<b>Cat.No.</b>	RGPA-1593P
<b>Species</b>	Porphyromonas gingivalis
<b>Product Name</b>	Recombinant Porphyromonas Gingivalis RGPA Protein (228-720 aa), His-tagged
<b>Product Overview</b>	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.
<b>Description</b>	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.
<b>Source</b>	Yeast
<b>Tag</b>	His
<b>Form</b>	Tris-based buffer, 50% glycerol
<b>Molecular Mass</b>	56.0 kDa
<b>Protein length</b>	228-720 aa
<b>AA Sequence</b>	YTPVEEKQNGRMIVIVAKKYEGDIKDFVDWKNQRGLRTEVKVAEDIASPVTANAIQQF VKQEYEKEGNDLTIVLLVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNEVFIGRFSCE SKEDLKTQIDRTIHYERNITTEDKWLGQALCIASAEGGPSADNGESDIQHENVIANLLT QYGYTKIIKCYDPGVTPKNIIDAFNGGISLVNYTGHGSETAWGTSHFGTTHVKQLTNS NQLPFIFDVACVNGDFLFSMPCFEALMRAQKDGKPTGTVAIIASTINQSWASPMRG QDEMNEILCEKHPNNIKRTFGGVTMNGMFAMVEKYKKDGEKMLDWTWVFGDPSLLV RTLVP TKMQVTAPAQINLTDASVNVSCDYN GAIATISANGKMFGSAVVENG TATINLT GLTNESTLTLTVVGYNKETVIKTINTNGEPNPYQPVSNLTATTQGQKVTLKWDAPSTK TNATTNTARSVDGIRELVLLSVSDAPELLRS
<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4

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centigrade for up to one week.

<b>Storage</b>	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.
<b>Concentration</b>	A hardcopy of COA with reconstitution instruction is sent along with the products.
<b>Synonyms</b>	rgpA; Arg-gingipain; Gingipain 1RGP-1;
<b>UniProt ID</b>	<a href="#">P28784</a>
<b>Figure 1</b>	RGPA-1593P, 1.jpg
<b>Figure Note 1</b>	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.