

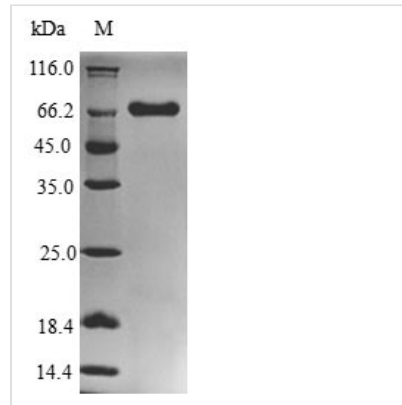


# Recombinant Porphyromonas gingivalis Gingipain R1 (rgpA), partial

<b>Product Code</b>	CSB-EP338957PQP
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Porphyromonas gingivalis rgpA protein, partial
<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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P28784
<b>Alias</b>	Arg-gingipain Gingipain 1 RGP-1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Porphyromonas gingivalis
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	YTPVEEKQNGRMIVIVAKKYEGDIKDFVDWKNQRGLRTEVKVAEDIASPV TAN AIQQFVKQEYEKEGNDLTYVLLVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNE VFIGRFSCESKEDLKTQIDRTIHYERNITTEDKWLGGALCIASAEAGGPSADNGE SDIQHENVIANLLTQYGYTKIICYPGVTPKNIIDAFNGGISLVNYTGHGSETA WGTSHFGTTHVKQLTNSNQLPFIFDVACVNGDFLFSMPCFAEALMRAQKDGK PTGTVAIIASTINQSWASPMRGQDEMNEILCEKHPNNIKRTFGGVTMNGMFAM VEKYKKDGEKMLDTWTVFGDPSLLVRTLVP TKMQVTAPAQINLTDASVNVSCD YNGAIATISANGKMFSAVVENGTATINLTGLTNESTLTLTVVGYNKETVIKTINT NGEPNPYQPVSNL TATTQGQKVT LKWDAPSTKTNATTNTARSVDGIRELVLLS VSDAPELLRS
<b>Research Area</b>	others
<b>Source</b>	E.coli
<b>Target Names</b>	rgpA
<b>Protein Names</b>	Recommended name: Gingipain R1 EC= 3.4.22.37 Alternative name(s): Arg-gingipain Gingipain 1 RGP-1
<b>Expression Region</b>	228-720aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-B2M-tagged
<b>Mol. Weight</b>	68.0kDa
<b>Protein Length</b>	Partial



## Image



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

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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