

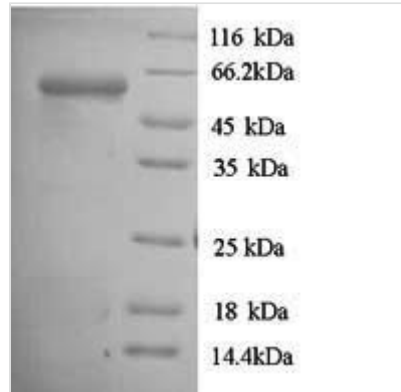


# Recombinant Porphyromonas gingivalis Gingipain R1 (rgpA), partial

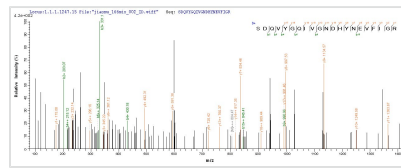
<b>Product Code</b>	CSB-YP338957PQP
<b>Relevance</b>	Thiol protease which is believed to participate in intracellular degradation and turnover of proteins. Its proteolytic activity is a major factor in both periodontal tissue destruction and in bacterial host defense mechanisms. Activates complement C3 and C5.
<b>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>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Porphyromonas gingivalis
<b>Purity</b>	≥ 90% as determined by SDS-PAGE. ≥ 90% as determined by SEC-HPLC.
<b>Sequence</b>	YTPVEEKQNGRMIVIVAKKYEKDFVDWKNQRGLRTEVKVAEDIASPVTAN AIQQFVKQEYEKEGNDLTYVLLVGDHDKDIPAKITPGIKSDQVYGGQIVGNDHYNE VFIGRFSCESKEDLKTQIDRTIHYERNITTEDKWLGGALCIASAEAGGPSADNGE SDIQHENVIANLLTQYGYTKIICYPGVTTPKNIIDAFNGGISLVNYTGHGSETA WGTSHFGTTHVKQLTNSNQLPFIFDVACVNGDFLFSMPCFAEALMRAQKDGK PTGTVAIIASTINQSWASPMRGQDEMNEILCEKHPNNIKRTFGGVTMNGMFAM VEKYKKDGEKMLDTWTVFGDPSLLVRTLVPKMQVTAPAQINLTDASVNVSCD YNGAIATISANGKMFSAVVENGTATINLTGLTNESTLTLTVVGYNKETVIKTINT NGEPNPYQPVSNLTATTQGQKVTWKWDAPSTKTNATTNTARSVDGIRELVLLS VSDAPELLRS
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<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-tagged
<b>Mol. Weight</b>	56.0kDa
<b>Protein Length</b>	Partial



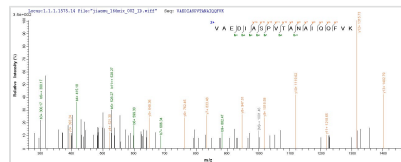
## Image



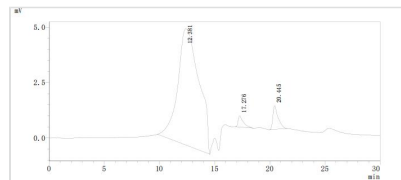
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP338957PQP could indicate that this peptide derived from Yeast-expressed *Porphyromonas gingivalis* rgpA.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP338957PQP could indicate that this peptide derived from Yeast-expressed *Porphyromonas gingivalis* rgpA.



The purity of rgpA was greater than 90% as determined by SEC-HPLC

## Shelf Life

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.