

Gingipain R1 (rgpA) Recombinant Protein | rgpA recombinant protein

Recombinant Porphyromonas gingivalis Gingipain R1 (rgpA), partial

CATALOG # AAA18540	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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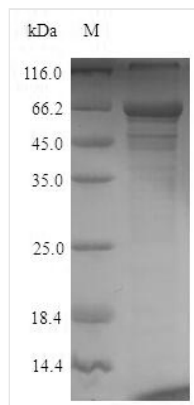
PRODUCT SYNONYMS

Gingipain R1 (rgpA); Recombinant Porphyromonas gingivalis Gingipain R1 (rgpA); partial; Porphyromonas gingivalis; rgpA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	228-720aa; partial
Sequence	YTPVEEKQNG RMIVIVAKKY EGDIKDFVDW KNQRGLRTEV KVAEDIASPV TANAIQQFVK QEYEKEGNDL TYVLLVGDHK DIPAKITPGI KSDQVYGQIV GNDHYNEVFI GRFSCESKED LKTQIDRTIH YERNITTEDK WLGQALCIAS AEGGPSADNG ESDIQHENVI ANLLTQYGYT KIIKCYDPGV TPKNIIDAFN GGISLVNYTG HGSETAWGTS HFGTTHVKQL TNSNQLPFIF DVACVNGDFL FSMPCFAEAL MRAQKDGKPT GTVAIIASTI NQSWASPMRG QDEMNEILCE KHPNNIKRTF GGVTMNGMFA MVEKYKKGDE KMLDTWTVFG DPSLLVRTLV PTKMQVTAPA QINLTDAVN VSCDYNGAIA TISANGKMFG SAVVENGAT INLTGLTNES TLTLTVVGYN KETVIKTINT NGEPNPYQPV SNLTATTQGG KVTWKWDAPS TKTNATTNTA RSVDGIRELV LLSVSDAPEL LRS
Species	Porphyromonas gingivalis
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for rgpA recombinant protein	Thrombin-like snake venom serine protease that acts as an anticoagulant. It cleaves fibrinogen (FGA) to split off the A-fibrinopeptides (A, AY and AP), but not the B-fibrinopeptide. The resulting fibrin polymers are imperfectly formed and much smaller in size (1 to 2 um long) than the fibrin polymers produced by the action of thrombin. These anrod-induced microthrombi are friable, unstable, urea-soluble and have significantly degraded alpha chains. They do not cross-link to form thrombi. They are markedly susceptible to digestion by plasmin and are rapidly roved from circulation by either reticuloendothelial phagocytosis or normal fibrinolysis, or both. Anticoagulation through the roval of fibrinogen from the blood is rapid, occurring within hours following its administration. It does not activate plasminogen and does not degrade preformed, fully cross-linked thrombin fibrin. It also reduces the level of plasminogen activator inhibitor (PAI) and may stimulate the release of tissue plasminogen activator (PLAT) from the endothelium. The profibrinolytic effect of these 2 actions appears to be limited to local microthrombus degradation.
References	Amino acid sequence determination of anrod, the thrombin-like alpha-fibrinogenase from the venom of Akistrodon rhodostoma.Burkhart W., Simth G.F.H., Su J.-L., Parikh I., Levine H. IIIFEBS Lett. 297:297-301(1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	2827775
UniProt Accession #	P28784; Q45168
Molecular Weight	56 kDa
NCBI Official Full Name	Gingipain R1
UniProt Protein Name	Gingipain R1
UniProt Gene Name	rgpA
UniProt Synonym Gene Names	rgp1
UniProt Entry Name	CPG1_PORGN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.