

Recombinant Porphyromonas gingivalis Gingipain R1

Catalog No: #AP72929



Package Size: #AP72929-1 20ug #AP72929-2 100ug #AP72929-3 1mg

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Description

Product Name	Recombinant Porphyromonas gingivalis Gingipain R1
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:228-720aaSequence Info:Partial
Other Names	Arg-gingipain;Gingipain 1RGP-1
Accession No.	P28784
Uniprot	P28784
Calculated MW	56 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	YTPVEEKQNGRMIVIVAKKYEGDIKDFVDWKNQRGLRTEVKVAEDIASPV TANAIQQFVKQEYEKEGNDLTYVL LVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNEVFIGRFSCESKEDLKTQIDRTIHYERNITTEDKWLGGALCIAS AEGGPSADNGESDIQHENVIANLLTQYGYTKIIKCYDPGVTPKNIIDAFNGGISLVNYTGHGSETAWGTSHFGT THVKQLTNSNQLPFIFDVACVNGDFLFSMPCFEALMRAQKDGKPTGTVAIIASTINQSWASPMRGQDEMNEI LCEKHPNNIKRTFGGVTMNGMFAMVEKYKKDGEKMLDWTWVFGDPSLLVRTLVP TKMQVTAPAQINLTDASV NVSCDYNGAIATISANGKMFSAVVENG TATINLTGLTNESTLTLTVVGYNKETVIKTINTNGEPNPYQPVS NLT ATTQGQKVT LKWDAPSTKTNATTNTARSVDGIRELVLLSVSDAPELLRS
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Structural characterization of argingipain, a novel arginine-specific cysteine proteinase as a major periodontal pathogenic factor from Porphyromonas gingivalis.Okamoto K., Misumi Y., Kadowaki T., Yoneda M., Yamamoto K., Ikehara Y.Arch. Biochem. Biophys. 316:917-925(1995)Research Topic:Others

Note: This product is for in vitro research use only