

Lys-gingipain Recombinant Protein | kgp recombinant protein

Recombinant Porphyromonas gingivalis Lys-gingipain (kgp), partial

CATALOG # AAA18541	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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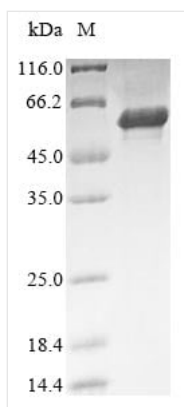
PRODUCT SYNONYMS

Lys-gingipain; Recombinant Porphyromonas gingivalis Lys-gingipain (kgp); partial; Lysine-specific cysteine proteinase Kgp; kgp 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	229-594aa; partial
Sequence	DVYTDHGDLY NTPVRMLVVA GAKFKEALKP WLTWKAQKGF YLDVHYTDEA EVGTTNASIK AFIHKKYNDG LAASAAPVFL ALVGDTDIS GEKGKTKKV TDLYSAVDG DYFPEMYTFR MSASSPEELT NIIDKVLME KATMPDKSYL EKALLIAGAD SYWNPKIGQQ TIKYAVQYYY NQDHGYTDVY SYPKAPYTGC YSHLNTGVGF ANYTAHGSET SWADPSLTAT QVKALTNKDK YFLAIGNCCV TAQFDYPQPC FGEVMTRVKE KGAYAYIGSS PNSYWGEDYY WSVGANAVFG VQPTFEGTSM GSYDATFLED SYNTVNSIMW AGNLAATHAG NIGNITHIGA HYYWEAYHVL GDGSVM
Species	Porphyromonas gingivalis (strain # 33277 / DSM 20709 / JCM 12257)
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 kgp recombinant protein	Cysteine proteinase with a strong preference for substrates with Lys in the P1 position. Hydrolyzes bovine hemoglobin, bovine serum albumin, casein, human placental type I collagen and human IgA and IgG. Disrupts the functions of polymorphonuclear leukocytes. May act as a virulence factor in the development of periodontal disease. Involved in the coaggregation of P. gingivalis with other oral bacteria.
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References	"Biochemical and functional properties of lysine-specific cysteine proteinase (Lys-gingipain) as a virulence factor of Porphyromonas gingivalis in periodontal disease." Abe N., Kadowaki T., Okamoto K., Nakayama K., Ohishi M., Yamamoto K. J. Biochem. 123:305-312(1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	188995592
NCBI GeneID	6330196
NCBI Accession #	YP_001929844.1
NCBI GenBank Nucleotide #	NC_010729.1
UniProt Accession #	B2RLK2
Molecular Weight	56.6 kDa
NCBI Official Full Name	lysine-specific cysteine proteinase Kgp
NCBI Official Symbol	kgp
NCBI Protein Information	lysine-specific cysteine proteinase Kgp
UniProt Protein Name	Lys-gingipain
UniProt Gene Name	kgp
UniProt Entry Name	KGP_PORG3

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.

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Online datasheet: <https://www.aaabiotech.com/kgp-recombinant-protein-e-coli/18541>