

Peptidylarginine deiminase Recombinant Protein | PG_1424 recombinant protein

Recombinant Porphyromonas gingivalis (strain BAA-308 / W83) Peptidylarginine deiminase

CATALOG # AAA116592	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

PRODUCT SYNONYMS

Peptidylarginine deiminase; Recombinant Porphyromonas gingivalis (strain BAA-308 / W83) Peptidylarginine deiminase; Porphyromonas gingivalis (strain BAA-308 / W83); PG_1424 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	44-556aa; Full Length of Mature Protein
Sequence	AFQETNPPAG PVRAIAEYER SAAVLVRYPF GIPMELIKEL AKNDKVITIV ASESQKNTVI TQYTQSGVNL SNCDFIIAKT DSYWTRDYG WFAMYDTNKV GLVDFIYNRP RPNDDFFPKY EAQYLGIEMF GMKLKQTGGN YMTDGYGSAV QSHIAYTENS SLSQAQVNQK MKDYLGITHH DVVQDPNGEY INHVDCWGKY LAPNKILIRK VPDNHPQHQA LEDMAAYFAA QTCAWGTKYE VYRALATNEQ PYTNSLILNN RVFVPVNGPA SVDNDALNVY KTAMPGYEII GVKGASGTPW LGTDALHCRT HEVADKGYLY IKHYPILGEQ AGPDYKIEAD VVSCANATIS PVQCYRING SGSFKAADMT MESTGHYTYS FTGLNKNDKV EYYISAADNS GRKETYPFIG EPDPFKFTCM NETNTCTVTG AAKALRAWFN AGRSELAVSV SLNIAGTYRI KLYNTAGEEV AAMTKELVAG TSVFSMDVYS QAPGTYVLVV EGNIGIRETMK ILK
Species	Porphyromonas gingivalis (strain # BAA-308 / W83)
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 PG_1424 recombinant protein	Deiminates the guanidino group of C-terminal arginine residues on a variety of peptides, including the vasoregulatory peptide-hormone bradykinin, to yield ammonia and a citrulline residue. May promote the growth of the pathogen in the periodontal pocket by producing ammonia, ammonia having a protective effect during acidic cleaning cycles in the mouth.
References	"Purification, characterization, and sequence analysis of a potential virulence factor from Porphyromonas gingivalis, peptidylarginine deiminase." McGraw W.T., Potempa J., Farley D., Travis J. Infect. Immun. 67:3248-3256(1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	492521265
NCBI GeneID	2552184

NCBI Accession #	WP_005873463.1
NCBI GenBank Nucleotide #	WP_005873463.1
UniProt Accession #	Q9RQJ2; Q7BW72
Molecular Weight	60.9 kDa
NCBI Official Full Name	peptidyl-arginine deiminase
NCBI Official Symbol	PG_RS06255
NCBI Protein Information	peptidylarginine deiminase
UniProt Protein Name	Peptidylarginine deiminase
UniProt Gene Name	PG_1424
UniProt Entry Name	PAD_PORGI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/pg-1424-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116592>