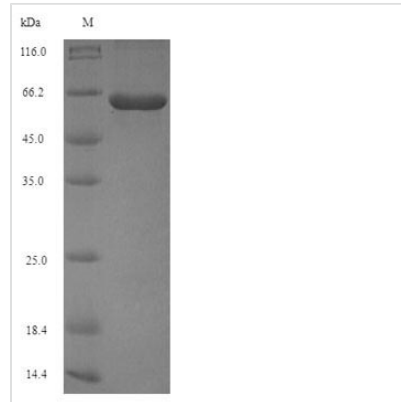




Recombinant Porphyromonas gingivalis Peptidylarginine deiminase (PG_1424)

Product Code	CSB-EP886515EYA
Relevance	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.
Abbreviation	Recombinant Porphyromonas gingivalis Peptidylarginine deiminase protein
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.
Uniprot No.	Q9RQJ2
Product Type	Recombinant Protein
Immunogen Species	Porphyromonas gingivalis (strain ATCC BAA-308 / W83)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	AFQETNPPAGPVRAIAEYERSAAVLVRYPFGIPMELIKELAKNDKVITIVASESQ KNTVITQYQTQSGVNLSNCFIIAKTDSYWTRDYTGWFAMYDTNKVGLVDFIYN RPRPNDDEFPKYEAQYLGIEFMFGMMLKQTGGNYMTDGYGSAVQSHIAYTENS SLSQAQVNQMKDYLGITHHDVVQDPNGEYINHVDCWKGKYLAPNKILIRKVPD NHPQHQALEDMAAYFAAQTCAWGTYEVYRALATNEQPYTNSLILNRRVFP VNGPASVDNDALNVYKTAMPGYEIIGVKGASGTPWLGTDALHCRTHEVADKG YLYIKHYPILGEQAGPDYKIEADVSCANATISPVQCYRINGSFKAADMTM ESTGHYTYSFTGLNKNKVEYYISAADNSGRKETYPFIGEPDPFKFTCMNETN TCTVTGAAKALRAWFNAGRSELAVSVSLNIAGTYRIKLYNTAGEEVAAMTKELV AGTSVFSMDVYSQAPGTYVLVVEGNGIRETMKILK
Research Area	Others
Source	E.coli
Target Names	PG_1424
Expression Region	44-556aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	60.9kDa
Protein Length	Full Length of Mature Protein
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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