

Recombinant Porphyromonas Gingivalis PG1424 Protein (44-556 aa), His-tagged

Cat. No. PG1424-1807P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Porphyromonas Gingivalis (strain ATCC BAA-308/W83) PG1424 Protein (44-556 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Porphyromonas Gingivalis
Source	E.coli
ProteinLength	44-556 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	60.9 kDa
AA Sequence	AFQETNPPAGPVRAIAEYERSAAVLVRYPPFGIPMELIKELAKNDKVITIVASESQKNTV ITQYTQSGVNLNCFIIAKTDSYWTRDYTGWFAMYDTNKGVLVDFIYNRPRPNDD FPKYEAQYLGIEFMFGMKLKQTGGNYMTDGYGSAVQSHIAYTENSLSQAQVNQKM KDYLGITHHDVVQDPNGEYINHVDCWKGKYLAPNKILIRKVPDNPQHQALEDMAAYF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AAQTCAWGTKYEVYRALATNEQPYTNSLILNNRVFVPVNGPASVDNDALNVYKTAM
PGYEIIGVKGASGTPWLGTDLHCRTHEVADKGYLYIKHYPILGEQAGPDYKIEADV
SCANATISPVQCYRINGSGSFKAADMTMESTGHYTYSFTGLNKNDKVEYYISAADN
SGRKETYPFIEGPDPFKFTCMNETNTCTVTGAALKALRAWFNAGRSELAVSVSLNIAG
TYRIKLYNTAGEEVAAMTKELVAGTSVFSMDVYSQAPGTYVLVVEGNGIRETMKILK

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

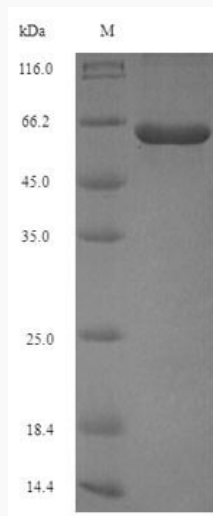
Synonyms PG_1424;

UniProt ID [Q9RQJ2](#)

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

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