

Recombinant strain ATCC BAA-308 / W83 rgpB Protein Product Manual

1. Product Basic Information

Product No.: REP08044

Protein Name: Arg-Gingipain Rgpb (rgpB)

Aliases: Arg-gingipain RgpB

UniProt ID: P95493

UniProt Link: <https://www.uniprot.org/uniprotkb/P95493/entry>

Species Source: Porphyromonas gingivalis (strain ATCC BAA-308 / W83)

Expression System: E.coli

Protein Length: Partial (230-473aa)

Molecular Weight: 43.3kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (230-473aa)

YTPVEEKENGRMIVIVPKKYEEDIEDFVDWKNQRGLRTEVKVAEDIASPVTANAIQQ
FVKQEYEKEGNDLTYVLLVGDHKDIPAKITPGIKSDQVYGQIVGNDHYNEVFIGRFS
CESKEDLKTQIDRTIHYERNITTEDKWLGGALCIASAEAGGPSADNGESDIQHENIIAN
LLTQYGYTKIIKCYDPGVTPKNIIDAFNGGISLANYTGHGSETAWGTSHFGTTHVKQL
TNSNQLPFIFDVAC

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions



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Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant strain ATCC BAA-308 / W83 rgpB partial protein (230-473aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. rgpB, also known as Arg-gingipain RgpB, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.