

Fimbrillin Protein, Porphyromonas gingivalis, Recombinant (His & Myc)

General Information

Synonyms:	Major fimbrial subunit protein type I;Fimbrillin (Fimbrilin);fimA;Major fimbrium subunit FimA type-1
Protein Construction:	47-383 aa
Species:	Porphyromonas gingivalis
Expression Host:	E. coli
Accession:	B2RH54
Molecular Weight:	43.9 kDa (predicted)
AA Sequence:	AFGVGDDESKVAKLTMVYNGEQQEAIKSAENATKVEDIKCSAGQRTLVMANTGAMELVGKTLAEVKALTT ELTAENQEAAGLIMTAEPKTIVLKAGKNYIGYSGTGEGNHIENDPLKIKRVHARMAFTEIKVQMSAAYDNIYTF VPEKIYGLIAKKQSNLFGATLVNADANYLTGSLTTFNGAYTPANYANVPWLSRNYVAPAADAPQGFYVLEND YSANGGTIHPTILCVYGKQLQKNGADLAGADLAAAQAANWVDAEGKTYYPVLVNFNSNNYTYDSNYTPKNKI ERNHKYDIKLTITGPGTNNPENPITESAHLNVQCTVAEWVLVGQNATW

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Structural subunit of the major fimbriae. These long, filamentous pili are attached to the cell surface; they mediate biofilm formation, adhesion onto host cells and onto other bacteria that are part of the oral microbiome. They play

an important role in the invasion of periodontal tissues. Fimbriae and their constituents are major virulence factors. FimA proteins from different strains have highly divergent sequences, and this has been used for classification. The sequence-based classification correlates with pathogenicity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481