Antimicrobial Peptide PGQ (pgq) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Antimicrobial peptide PGQ (pgq), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis Antimicrobial peptide PGQ (pgq)
Product Gene Name	pgq recombinant protein
Product Synonym Gene Name	pgq
Product Synonym Names	Recombinant Antimicrobial peptide PGQ (pgq); Antimicrobial peptide PGQ; Preproprotein pGQ
Sequence	GVLSNVIGYL KKLGTGALNA VLKQ
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	2,457 Da
Sequence Positions	1-24aa; Cytoplasmic domain
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P39080
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pgq recombinant protein	MBS1111490 is a recombinant protein targeting pgq. Also known as Recombinant Xenopus laevis Antimicrobial peptide PGQ (pgq). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pgq recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for pgq. It may not necessarily be applicable to this product.

NCBI GI #	730315
NCBI Accession #	P39080.1
UniProt Primary Accession #	P39080
NCBI Official Full Name	Antimicrobial peptide PGQ
UniProt Protein Name	Antimicrobial peptide PGQ
UniProt Synonym Protein Names	Preproprotein pGQ
Protein Family	Antimicrobial peptide

UniProt Gene Name	pgq
UniProt Entry Name	PGQ_XENLA
UniProt Comments for pgq	Function: Antimicrobial peptide. Subcellular location: Secreted. Tissue specificity: Is synthesized in the stomach and stored in a novel granular multinucleated cell in the gastric mucosa. It is stored as active, processed peptides in large granules within the granular gland secretions of the skin. Sequence similarities: Belongs to the gastrin/cholecystokinin family. Magainin subfamily.
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