Pheromone-Binding Protein Gp-9 (Gp-9) Solenopsis Interrupta Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pheromone-binding protein Gp-9 (Gp-9), Recombinant Protein
Full Product Name	Recombinant Solenopsis interrupta Pheromone-binding protein Gp-9 (Gp-9)
Product Gene Name	Gp-9 recombinant protein
Product Synonym Names	Pheromone-binding protein Gp-9; PBP; Putative odorant-binding protein Gp-9
Sequence	S RDSAKKIGSQ YDNYETCLTE HGLTDDDIFS IGEVSSGQHK TNHEDTELHK NGCVLQCMLE KDGLMSGADY DEEKMREDYI KETGTEPGDQ RIEALNACMQ ETKDMEDKCD KSLLLVACVL AAEAVLADSN EGA
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	16,894 Da
Sequence Positions	20-153aa; full length protein
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 Q8WRQ4
Species	Solenopsis interrupta (Fire ant)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Gp-9 recombinant protein	MBS1336178 is a recombinant protein targeting Gp-9. Also known as Recombinant Solenopsis interrupta Pheromone-binding protein Gp-9 (Gp-9). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Gp-9 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 Gp-9. It may not necessarily be applicable to this product.

NCBI GI #	74844303
NCBI Accession #	Q8WRQ4.1
UniProt Primary Accession #	Q8WRQ4
UniProt Secondary Accession #	A9LKD6; A9LKD7
NCBI Official Full Name	Pheromone-binding protein Gp-9
UniProt Protein Name	Pheromone-binding protein Gp-9

UniProt Synonym Protein Names	Putative odorant-binding protein Gp-9
Protein Family	Pheromone-binding protein
UniProt Gene Name	Gp-9
UniProt Synonym Gene Names	PBP
UniProt Entry Name	PBGP9_SOLIT
UniProt Comments for Gp-9	Colony queen number, a major feature of social organization, is associated with worker genotype for Gp-9. Colonies are headed by either a single reproductive queen (monogyne form) or multiple queens (polygyne form). Differences in worker Gp-9 genotypes between social forms may cause differences in workers' abilities to recognize queens and regulate their numbers ().
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