Innexin Inx4 (zpg) Drosophila Melanogaster Recombinant Protein

PRODUCT OVERVIEW

Product Name	Innexin inx4 (zpg), Recombinant Protein
Full Product Name	Recombinant Drosophila melanogaster Innexin inx4 (zpg), partial
Product Gene Name	zpg recombinant protein
Product Synonym Gene Name	zpg
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	42,784 Da
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 Q9VRX6
Species	Drosophila melanogaster (Fruit fly)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for zpg recombinant protein	MBS7102475 is a recombinant protein targeting zpg. Also known as Recombinant Drosophila melanogaster Innexin inx4 (zpg), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of zpg 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 zpg. It may not necessarily be applicable to this product.

NCBI GI #	442630578
NCBI GeneID	251414
NCBI Accession #	NP_001261478.1
UniProt Primary Accession #	Q9VRX6
UniProt Related Accession #	Q9VRX6
GenBank Nucleotide #	NM_001274549.1
NCBI Official Full Name	zero population growth, isoform B
NCBI Official Synonym Full Names	zero population growth
NCBI Official Symbol	zpg

NCBI Official Synonym Symbols	CG10125; Dm-inx4; DmelCG10125; FBpp0076692; inx-4; inx4; Inx4; Zpg
UniProt Protein Name	Innexin inx4
UniProt Synonym Protein Names	Protein zero population growth
Protein Family	Innexin
UniProt Gene Name	zpg
UniProt Synonym Gene Names	inx4; Innexin-4
NCBI Protein Information	CG10125 gene product from transcript CG10125-RB
UniProt Comments for zpg	Structural component of the gap junctions in germline cells. Required for differentiation and survival of germline cysts in females and of spermatogonia in males; gap junctional communication between spermatogonia and somatic cyst cells may be required for normal differentiation and survival of spermatogonia.
Research Articles on zpg	**1.** innexin 4 was detected in the oolemma up to stage 8 and in nurse-cell membranes up to stage 12.
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