Chemotaxis Inhibitory Protein (chp) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Chemotaxis inhibitory protein (chp), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus Chemotaxis inhibitory protein (chp)
Product Gene Name	chp recombinant protein
Sequence	FTFEPFPTNE EIESNKKMLE KEKAYKESFK NSGLPTTLGK LDERLRNYLK KGTKNSAQFE KMVILTENKG YYTVYLNTPL AEDRKNVELL GKMYKTYFFK KGESKSSYVI NGPGKTNEYA Y
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	17,058 Da
Sequence Positions	29-149, 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 A6QIG7
Species	Staphylococcus aureus (strain Newman)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for chp recombinant protein	MBS1258778 is a recombinant protein targeting chp. Also known as Recombinant Staphylococcus aureus Chemotaxis inhibitory protein (chp). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of chp 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 chp. It may not necessarily be applicable to this product.

NCBI GI #	446650303
NCBI Accession #	WP_000727649.1
UniProt Primary Accession #	A6QIG7
UniProt Secondary Accession #	Q7WUJ0
GenBank Nucleotide #	WP_000727649.1
NCBI Official Full Name	MULTISPECIES: chemotaxis inhibitory protein
UniProt Protein Name	Chemotaxis inhibitory protein

UniProt Synonym Protein Names	CHIPS
Protein Family	Chaoptin
UniProt Gene Name	chp
UniProt Comments for chp	Involved in countering the first line of host defense mechanisms. Specifically inhibits the response of human neutrophils and monocytes to complement anaphylatoxin C5a and formylated peptides, like N-formyl-methionyl-leucyl-phenylalanine (fMLP). Acts by binding directly to the C5a receptor (C5aR) and formylated peptide receptor (FPR), thereby blocking the C5a- and fMLP-induced calcium responses. Prevents phagocytosis of the bacterium.
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