Longicornsin (sGDLP) Haemaphysalis Longicornis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Longicornsin (sGDLP), Recombinant Protein
Full Product Name	Recombinant Haemaphysalis longicornis Longicornsin (sGDLP)
Product Gene Name	sGDLP recombinant protein
Sequence	DFGCGQGMIF MCQRRCMRLY PGSTGFCRGF RCMCDTHIPL RPPFMVG
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	8,837 Da
Sequence Positions	32-78, 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 B2MW54
Species	Haemaphysalis longicornis (Bush tick)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sGDLP recombinant protein	MBS1230697 is a recombinant protein targeting sGDLP. Also known as Recombinant Haemaphysalis longicornis Longicornsin (sGDLP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sGDLP 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 sGDLP. It may not necessarily be applicable to this product.

NCBI GI #	317374836
NCBI Accession #	B2MW54.1
UniProt Primary Accession #	B2MW54
NCBI Official Full Name	Longicornsin
UniProt Protein Name	Longicornsin
Protein Family	Longicornsin
UniProt Gene Name	sGDLP

UniProt Comments for sGDLP	Has antibacterial activity against the Gram-positive bacteria S.aureus 2592 (MIC=0.8 Âµg/ml), S.aureus 6A (MIC=0.8 Âµg/ml) and S.aureus 15A (MIC=1.6 Âµg/ml), and against the Gram-negative bacteria E.coli 25922 (MIC=3.2 Âµg/ml), E.coli 23A (MIC=6.4 Âµg/ml), E.coli 27A (MIC=6.4 Âµg/ml), P.aeruginosa 3A (MIC=3.2 Âµg/ml), P.aeruginosa 7A (MIC=0.8 Âµg/ml) and H.pylori 11637 (MIC=6.4 Âµg/ml). Has antifungal activity against C.albidus 2002 (MIC=25.6 Âµg/ml). Very low hemolytic activity against rabbit erythrocytes.
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