Pre-Small/Secreted Glycoprotein (SGP) Sudan Ebolavirus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pre-small/secreted glycoprotein (SGP), Recombinant Protein
Full Product Name	Recombinant Sudan ebolavirus Pre-small/secreted glycoprotein (SGP)
Product Gene Name	SGP recombinant protein
Product Synonym Gene Name	SGP
Sequence	MPLGVVTNST LEVTEIDQLV CKDHLASTDQ LKSVGLNLEG SGVSTDIPSA TKRWGFRSGV PPKVVSYEAG EWAENCYNLE IKKPDGSECL PPPPDGVRGF PRCRYVHKAQ GTGPCPGDYA FHKDGAFFLY DRLASTVIYR GVNFAEGVIA FLILAKPKET FLQSPPIREA VNYTENTSSY YATSYLEYEI ENFGAQHSTT LFKIDNNTFV RLDRPHTPQF LFQLNDTIHL HQQLSNTTGR LIWTLDANIN ADIGEWAFWE NKKISPNNYV EKSCLSKLYR STRQKTMMRH RRELQREESP TGPPGSIRTW FQRIPLGWFH CTYQKGKQHC RLRIRQKVEE
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	42,584 Da
Sequence Positions	33-372, 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 Q7T9E0
Species	Sudan ebolavirus (strain Uganda-00) (SEBOV) (Sudan Ebola virus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SGP recombinant protein	MBS1279907 is a recombinant protein targeting SGP. Also known as Recombinant Sudan ebolavirus Pre-small/secreted glycoprotein (SGP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SGP 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 SGP. It may not necessarily be applicable to this product.

NCBI GI #	55770811
NCBI GeneID	3160774
NCBI Accession #	YP_138524.1
UniProt Primary Accession #	Q7T9E0
GenBank Nucleotide #	NC_006432.1

NCBI Official Full Name	small secreted glycoprotein
NCBI Official Symbol	GP
UniProt Protein Name	Pre-small/secreted glycoprotein
Protein Family	Skin granule protein
UniProt Gene Name	SGP
UniProt Synonym Gene Names	GP; pre-sGP; sGP
NCBI Protein Information	spike glycoprotein; small secreted glycoprotein; second secreted glycoprotein
UniProt Comments for SGP	sGP seems to possess an anti-inflammatory activity as it can reverse the barrier-decreasing effects of TNF alpha. Might therefore contribute to the lack of inflammatory reaction seen during infection in spite the of extensive necrosis and massive virus production. Does not seem to be involved in activation of primary macrophages. Does not seem to interact specifically with neutrophils.
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