Transcriptional Activator Pera (perA) Escherichia Coli O127:h6 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcriptional activator perA (perA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O127:H6 Transcriptional activator perA (perA)
Product Gene Name	perA recombinant protein
Sequence	MLTSKKEMQS SENKQEENLA LLLTNYISYQ NIVIFTGGNQ FKIRNKKEFT EYTIESNSLF FLAKNTHWDM EIVGIDNSNP YRKIIIDDAL IKLLHSISSD DSCYVKKKIF TANLNEMQLN IVSNIITDIK YSGNNKKIFK ILYLLSFFND YNDIVNVILS ASSKSIVDRV IKVIELDISK NWKLGDVSSS MFMSDSCLRK QLNKENLTFK KIMLDIKMKH ASLFLRTTDK NIDEISCLVG FNSTSYFIKV FKEYYNTTPK KYNGVYSITQ GTLP
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	31,684 Da
Sequence Positions	1-274, 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 P43459
Species	Escherichia coli O127:H6 (strain E2348/69 / EPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for perA recombinant protein	MBS1226218 is a recombinant protein targeting perA. Also known as Recombinant Escherichia coli O127:H6 Transcriptional activator perA (perA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of perA 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 perA. It may not necessarily be applicable to this product.

NCBI GI #	190014885
NCBI GeneID	6382186
NCBI Accession #	YP_001965397.1
UniProt Primary Accession #	P43459
UniProt Secondary Accession #	B7UTE7
GenBank Nucleotide #	NC_010862.1

NCBI Official Full Name	Transcriptional activator, bfp operon (plasmid)
NCBI Official Symbol	perA
NCBI Official Synonym Symbols	bfpT
UniProt Protein Name	Transcriptional activator PerA
Protein Family	Transcriptional activator
UniProt Gene Name	perA
NCBI Protein Information	Transcriptional activator, bfp operon
UniProt Comments for perA	Could help in the transcriptional activator of eaeA expression in enteropathogenic E.coli. However, it seems that it is PerC which acts as an activator.
Research Articles on perA	**1.** Authors conclude that the lack of Per in the regulation network of virulence genes is one of the main factors that delay the establishment of the attaching and effacing lesions induced by atypical enteropathogenic Escherichia coli strains.
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