Uncharacterized Protein Yjea (yjeA) Escherichia Coli O45:k1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uncharacterized protein YjeA (yjeA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O45:K1 Uncharacterized protein YjeA (yjeA)
Product Gene Name	yjeA recombinant protein
Sequence	MSETASWQPS ASIPNLLKRA AIMAEIRRFF ADRGVLEVET PCMSQATVTD IHLVPFETRF VGPGHSQGMN LWLMTSPEYH MKRLLVAGCG PVFQLCRSFR NEEMGRYHNP EFTMLEWYRP HYDMYRLMNE VDDLLQQVLD CPAAESLSYQ QAFLRYLEID PLSADKTQLR EVAAKLDLSN VADTEEDRDT LLQLLFTFGV EPNIGKEKPT FVYHFPASQA SLAQISTEDH RVAERFEVYY KGIELANGFH ELTDAREQQQ RFEQDNRKRA ARGLPQHPID QNLIEALKVG MPDCSGVALG VDRLVMLALG AETLAEVIAF SVDRA
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	36,976 Da
Sequence Positions	1-325, 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 B7MKW2
Species	Escherichia coli O45:K1 (strain S88 / ExPEC)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for yjeA recombinant protein	MBS1151981 is a recombinant protein targeting yjeA. Also known as Recombinant Escherichia coli O45:K1 Uncharacterized protein YjeA (yjeA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of yjeA 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 yjeA. It may not necessarily be applicable to this product.

NCBI GI #	445926916
NCBI Accession #	WP_000004771.1
UniProt Primary Accession #	B7MKW2
GenBank Nucleotide #	WP_000004771.1
NCBI Official Full Name	MULTISPECIES: elongation factor P--(R)-beta-lysine ligase
UniProt Protein Name	Elongation factor P--(R)-beta-lysine ligase

UniProt Synonym Protein Names	EF-P post-translational modification enzyme A
UniProt Gene Name	epmA
UniProt Synonym Gene Names	EF-P--(R)-beta-lysine ligase
UniProt Comments for yjeA	With EpmB is involved in the beta-lysylation step of the post-translational modification of translation elongation factor P (EF-P) on 'Lys-34'. Catalyzes the ATP-dependent activation of (R)-beta-lysine produced by EpmB, forming a lysyl-adenylate, from which the beta-lysyl moiety is then transferred to the epsilon-amino group of EF-P 'Lys-34'.
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