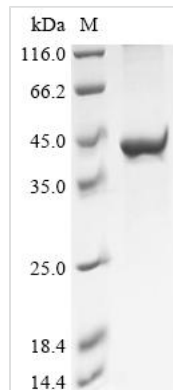




Recombinant Klebsiella pneumoniae Phosphoethanolamine--lipid A transferase MCR-8.1 (mcr-8), partial

Product Code	CSB-EP4611KBG
Abbreviation	Recombinant Klebsiella pneumoniae mcr-8 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A0A2U7XX87
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Klebsiella pneumoniae Phosphoethanolamine--lipid A transferase MCR-8.1(mcr-8),partial
Immunogen Species	Klebsiella pneumoniae
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	KDYASLIRNNMQIKDQALPFNFVRNTNGYLKRKYQASSTILQSVGEDAVRPIYS NAPPKLVVVVGETARAQNFQLNGYSRVTPYLSRRHVISFKNVSSCGTATA ISLPCMFSRMSRNEYNEVRAASEENLLDILKRTGVEVLWRNNNNNGGCKGICKR VPTDDMPAMKVIGECVNKDGTCTFDEVLLNQLSSRINAMQGDALIVLHQMGSH GPTYFERYPSTSKVFSPTCDSNLIEKCSNKELVNTYDNTLVYTDRMLSKTIELL QRYSGMRDVAMIYLSDHGESLGESGIYLGTPYIIAPNEQTHIPMFMWFSSSF AQHSKLNLECLTGNADKQYSHDNFYHSILGLFNVKTSVYKPELDMFTLCRQSD HTPLSSAVVREKTDGNG
Research Area	Others
Source	E.coli
Target Names	mcr-8
Expression Region	177-565aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	46.0 kDa
Protein Length	partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Clone the gene fragment corresponding to amino acids 177-565 of the *Klebsiella pneumoniae* phosphoethanolamine--lipid A transferase MCR-8.1 (*mcr-8*) into an expression vector suitable for *E. coli* expression, ensuring that the vector includes an N-terminal 6xHis-tag for purification purposes. Transform the recombinant expression vector carrying the *mcr-8* gene fragment into competent *E. coli* cells. Select transformed cells by plating them on agar plates containing appropriate antibiotics specific to the selection marker of the expression vector. Cultivate the selected *E. coli* cells in a suitable growth medium, under conditions favorable for protein expression. Induce protein expression using an appropriate inducer, such as IPTG. Harvest the *E. coli* cells by centrifugation and proceed to cell lysis to release the cellular contents, including the expressed recombinant *mcr-8* protein. Assess the purity of the recombinant *mcr-8* protein using SDS-PAGE analysis, which exhibits a purity level of over 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.