

Outer membrane porin C/OmpC Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71481
Synonyms:	ompC; meoA; par; b2215; JW2203; Outer membrane porin C; Outer membrane protein 1B; Outer membrane protein C; Porin OmpC
Species:	E.coli
Source:	E. coli
Accession:	P06996 (22A-367F)
Gene ID:	946716
Molecular Weight:	Approximately 54.3 kDa

PROPERTIES

AA Sequence	<pre> A E V Y N K D G N K L D L Y G K V D G L H Y F S D N K D V D G D Q T Y M R L G F K G E T Q V T D Q L T G Y G Q W E Y Q I Q G N S A E N E N N S W T R V A F A G L K F Q D V G S F D Y G R N Y G V V Y D V T S W T D V L P E F G G D T Y G S D N F M Q Q R G N G F A T Y R N T D F F G L V D G L N F A V Q Y Q G K N G N P S G E G F T S G V T N N G R D A L R Q N G D G V G G S I T Y D Y E G F G I G G A I S S S K R T D A Q N T A A Y I G N G D R A E T Y T G G L K Y D A N N I Y L A A Q Y T Q T Y N A T R V G S L G W A N K A Q N F E A V A Q Y Q F D F G L R P S L A Y L Q S K G K N L G R G Y D D E D I L K Y V D V G A T Y Y F N K N M S T Y V D Y K I N L L D D N Q F T R D A G I N T D N I V A L G L V Y Q F </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Outer membrane porin C (OmpC) protein is a vital component of bacterial outer membranes, forming pores that facilitate the passive diffusion of small molecules. This porin is essential for the uptake of nutrients and other substances by the bacterial cell. Notably, OmpC plays a role in microbial infection, acting as a gateway for the entry of various molecules. Additionally, OmpC demonstrates functional versatility by supporting the entry of colicin E5, a bacteriocin, in the absence of
-------------------	--

its major receptor OmpF. This suggests that OmpC can serve as an alternative route for the internalization of specific substances, highlighting its adaptability and importance in bacterial membrane dynamics and defense mechanisms.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA