

CS6 fimbrial subunit B/cssB Protein, E.coli (His-SUMO)

Cat. No.:	HY-P71473
Synonyms:	cssBCS6 fimbrial subunit B
Species:	E.coli
Source:	E. coli
Accession:	P53510 (22G-167N)
Gene ID:	/
Molecular Weight:	Approximately 31.9 kDa

PROPERTIES

AA Sequence	<p> G N W Q Y K S L D V N V N I E Q N F I P D I D S A V R I I P V N Y D S D P K L N S Q L Y T V E M T I P A G V S A V K I V P T D S L T S S G Q Q I G K L V N V N N P D Q N M N Y Y I R K D S G A G K F M A G Q K G S F S V K E N T S Y T F S A I Y T G G E Y P N S G Y S S G T Y A G H L T V S F Y S N </p>
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	<p>CS6 fimbrial subunit B (cssB) is a component of E.coli CS6 operon. C_{ss}B is a structural subunit which binds to cell surface sulfatide and is a key factor for binding to host cells. C_{ss}A can inhibit the C_{ss}B-mediated binding as another structural subunit of CS6. C_{ss}B is also required for stabilization of C_{ss}A, while all c_{ss} genes are necessary for maximal adhesion of E.coli to epithelial cells and CS6 assembly^[1].</p>
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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