FimH Protein, E.coli (P.pastoris, His)

Cat. No.:	HY-P71811
Synonyms:	fimH; b4320; JW4283Type 1 fimbrin D-mannose specific adhesin; Protein FimH
Species:	Virus
Source:	P. pastoris
Accession:	P08191 (F22-Q300)
Gene ID:	948847
Molecular Weight:	Approximately 38 kDa.The reducing (R) protein migratesas 38 kDa in SDS-PAGE may be due to glycosylation.

PROPERTIES

AA Sequence	F A C K T A N G T A I P I G G G S A N V Y V N L A P V V N V G Q N L V V D L S T Q I F C H N D Y P E T I T D Y V T L Q R G S A Y G G V L S N F S G T V K Y S G S S Y P F P T T S E T P R V V Y N S R T D K P W P V A L Y L T P V S S A G G V A I K A G S L I A V L I L R Q T N N Y N S D D F Q F V W N I Y A N N D V V V P T G G C D V S A R D V T V T L P D Y P G S V P I P L T V Y C A K S Q N L G Y Y L S G T T A D A G N S I F T N T A S F S P A Q G V G V Q L T R N G T I I P A N N T V S L G A V G T S A V S L G L T A N Y A R T G G Q V T A G N V Q S I I G V T F V Y Q
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm sterile filtered PBS, 6% Trehalose, pH 7.4
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	FimH protein plays a pivotal role in the intricate regulation of length and serves as a mediator for the adhesion process associated with type 1 fimbriae, albeit not indispensable for fimbriae production. This adhesin assumes a lateral position at intervals within the type 1 fimbriae structure and is primarily responsible for binding to D-mannose. The integration of FimH

into the fimbriae structure necessitates the collaborative action of FimF and FimG, emphasizing the coordinated molecular interplay required for the assembly and functional manifestation of type 1 fimbriae.

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