

Serotype 2 fimbrial subunit (fim2) Recombinant Protein | fim2 recombinant protein

Recombinant Bordetella pertussis Serotype 2 fimbrial subunit (fim2)

CATALOG # AAA18551	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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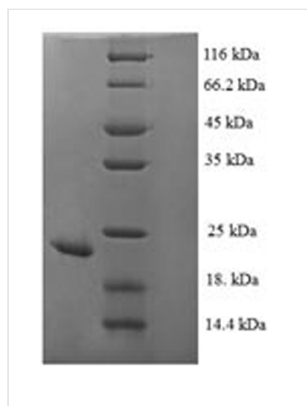
PRODUCT SYNONYMS

Serotype 2 fimbrial subunit (fim2); Recombinant Bordetella pertussis Serotype 2 fimbrial subunit (fim2); fim2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	27-207aa; Full Length of Mature Protein
Sequence	DDGTIVITGT ITDTTCVIED PSGPNHTKVV QLPKISKNAL KANGDQAGRT PFIILKDCP SSLGNGVKAY FEPGPTTDYS TGDRLAYKMV YATNPQTQLS NITAATEAQG VQVRISNLND SKITMGANEA TQQAAGFDPE VQTGGTSRTV TMRYLASVVK KNGDVEASAI TTYVGFSVY P
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for fim2 recombinant protein	Bordetella pertussis is the causative agent of whooping cough. An essential step in the disease process is the attachment of the bacteria to the ciliated epithelium of the respiratory tract, enabling the organism to resist normal host-clearance mechanisms. It is unclear which bacterial cell surface component are responsible for adherence but the fimbriae of B. pertussis are prime candidates for being involved in this process.
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References	Cloning and nucleotide sequence analysis of the serotype 2 fimbrial subunit gene of Bordetella pertussis.Livey I., Duggleby C.J., Robinson A.Mol. Microbiol. 1:203-209(1987) Comparative analysis of the genome sequences of Bordetella pertussis, Bordetella parapertussis and Bordetella bronchiseptica.Parkhill J., Sebahia M., Preston A., Murphy L.D., Thomson N.R., Harris D.E., Holden M.T.G., Churcher C.M., Bentley S.D., Mungall K.L., Cerdono-Tarraga A.-M., Temple L., James K.D., Harris B., Quail M.A., Achtman M., Atkin R., Baker S., Basham D., Bason N., Cherevach I., Chillingworth T., Collins M., Cronin A., Davis P., Doggett J., Feltwell T., Goble A., Hamlin N., Hauser H., Holroyd S., Jagels K., Leather S., Moule S., Norberczak H., O'Neil S., Ormond D., Price C., Rabbino-witsch E., Rutter S., Sanders M., Saunders D., Seeger K., Sharp S., Simmonds M., Skelton J., Squares R., Squares S., Stevens K., Unwin L., Whitehead S., Barrell B.G., Maskell D.J.Nat. Genet. 35:32-40(2003)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33592254
NCBI GeneID	2665370
NCBI Accession #	NP_879898.1
NCBI GenBank Nucleotide #	NC_002929.2
UniProt Accession #	P05788
Molecular Weight	21.2 kDa
NCBI Official Full Name	serotype 2 fimbrial subunit
NCBI Official Symbol	fim2
NCBI Protein Information	serotype 2 fimbrial subunit
UniProt Protein Name	Serotype 2 fimbrial subunit
UniProt Gene Name	fim2
UniProt Entry Name	FM2_BORPE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.