

Pertactin autotransporter (prn) Recombinant Protein | prn recombinant protein

Recombinant Bordetella pertussis Pertactin autotransporter (prn), partial

CATALOG # AAA18585	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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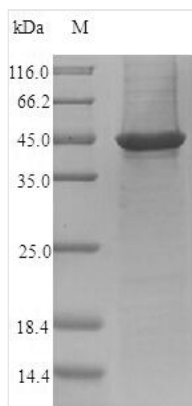
PRODUCT SYNONYMS

Pertactin autotransporter (prn); Recombinant Bordetella pertussis Pertactin autotransporter (prn); partial; P.93; prn 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	632-910aa; Partial
Sequence	ALSKRLGELR LNPDAGGAWG RGFAQRQQLD NRAGRFRDQK VAGFELGADH AVAVAGGRWH LGGLAGYTRG DRGFTGDGGG HTDSVHVGGY ATYIADSGFY LDATLRASRL ENDFKVAGSD GYAVKGKYRT HGVGASLEAG RRFTHADGWF LEPQAEALVF RAGGGAYRAA NGLRVRDEGG SSVLGRGLGLE VGKRIELAGG RQVQPYIKAS VLQEFDGAGT VHTNGIAHRT ELRGTRAEELG LGMAAALGRG HSLYASYEYS KGPKLAMPWT FHAGYRYSW
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 prn recombinant protein	Agglutinin that binds to eukaryotic cells; a process mediated by the R-G-D sequence. Pertactin may have a role in bacterial adhesion, and thus play a role in virulence. May contribute to the disease state of whooping cough.
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References	Molecular cloning and characterization of protective outer membrane protein P.69 from Bordetella pertussis. Charles I.G., Dougan G., Pickard D., Chatfield S., Smith M., Novotny P., Morrissey P., Fairweather N.F. Proc. Natl. Acad. Sci. U.S.A. 86:3554-3558(1989) Cloning, nucleotide sequence and heterologous expression of the protective outer-membrane protein P.68 pertactin from Bordetella bronchiseptica. Li J.L., Fairweather N.F., Novotny P., Dougan G., Charles I.G.J. Gen. Microbiol. 138:1697-1705(1992) Comparative analysis of the genome sequences of Bordetella pertussis, Bordetella parapertussis and Bordetella bronchiseptica. Parkhill J., Sebaihia 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., Cerdeno-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., Rabinowitsch 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) Crystalization and preliminary X-ray diffraction analysis of P30, the transmembrane domain of pertactin, an autotransporter from Bordetella pertussis. Zhu Y., Black I., Roszak A.W., Isaacs N.W. Acta Crystallogr. F 63:593-595(2007) Structure of Bordetella pertussis virulence factor P.69 pertactin. Emsley P., Charles I.G., Fairweather N.F., Isaacs N.W. Nature 381:90-92(1996)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33592195
NCBI GeneID	2664290
NCBI Accession #	NP_879839.1
NCBI GenBank Nucleotide #	NC_002929.2
UniProt Accession #	P14283
Molecular Weight	45.8 kDa
NCBI Official Full Name	pertactin autotransporter
NCBI Official Symbol	prn
NCBI Protein Information	pertactin autotransporter
UniProt Protein Name	Pertactin autotransporter
UniProt Gene Name	prn
UniProt Synonym Gene Names	omp69A
UniProt Entry Name	PERT_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.