

# Recombinant Bordetella pertussis Serotype 2 fimbrial subunit

Catalog No: #AP72961

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #AP72961-1 20ug #AP72961-2 100ug #AP72961-3 1mg

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Bordetella pertussis Serotype 2 fimbrial subunit
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:27-207aaSequence Info:Full Length
Accession No.	P05788
Uniprot	P05788
GeneID	2665370;
Calculated MW	21.2 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	DDGTIVITGTITDTTTCVIEDPSGPNHTKVVQLPKISKNALKANGDQAGRTPFIKDKDCPSSLGNGVKAYFEPGPT TDYSTGDLRAYKVMVYATNPQTQLSNITAATEAQGVQVRISNLNDSKITMGANEATQQAAGFDPEVQTGGTSR VTMRYLASYVKKNGDVEASAITTYVGFSSVYP
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

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., 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)Research Topic:Others

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Note: This product is for in vitro research use only