

Recombinant Escherichia coli protein FimH(fimH)

Catalog No: #AP72985



Package Size: #AP72985-1 20ug #AP72985-2 100ug #AP72985-3 1mg

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Description

Product Name	Recombinant Escherichia coli protein FimH(fimH)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:22-300aaSequence Info:Full Length of Mature Protein
Accession No.	P08191
Uniprot	P08191
GeneID	948847;
Calculated MW	31.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	FACKTANGTAIPIGGGSANVYVNLAPVVNVGQNLVVDLSTQIFCHNDYPETITDYVTLQRGSAYGGVLSNFSGT VKYSGSSYPFPTTSETPRVVYNSRTDKPWPVALYLPVSSAGGVAIKAGSLIAVLIRQTNNYNSDDFQFVWNI YANNDVVVPTGGCDVSARDVTVLPDYPGSVPIPLTVYCAKSQNLGYLSGTTADAGNSIFTNTASFSPAQGV GVQLTRNGTIIPANNTVSLGAVGTSAVSLGLTANYARTGGQVTAGNVQSIIIGVTFVYQ
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

Involved in regulation of length and mediation of adhesion of type 1 fimbriae (but not necessary for the production of fimbriae). Adhesin responsible for the binding to D-mannose. It is laterally positioned at intervals in the structure of the type 1 fimbriae. In order to integrate FimH in the fimbriae FimF and FimG are needed.

References

Structural basis of tropism of Escherichia coli to the bladder during urinary tract infection.Hung C.S., Bouckaert J., Hung D., Pinkner J., Widberg C., DeFusco A., Auguste C.G., Strouse R., Langermann S., Waksman G., Hultgren S.J.Mol. Microbiol. 44:903-915(2002)

Research Topic:Others

Note: This product is for in vitro research use only