

Recombinant *Yersinia pseudotuberculosis* yopH Protein (163-468, Ready-to-Use)

Cat. No. yopH-21Y Lot. No. (See product label)

SPECIFICATION

Product Overview	The PTP catalytic domain (a.a. 163 to a.a. 468) of <i>Yersinia enterocolitica</i> YopH is expressed in <i>E. coli</i> . The tyrosine-protein phosphatase YopH selectively hydrolyzes only phosphotyrosine-containing proteins and contains a Cys residue essential for catalysis.
Species	<i>Yersinia pseudotuberculosis</i>
Source	<i>E. coli</i>
ProteinLength	163-468
Description	Essential virulence determinant. This protein is a protein tyrosine phosphatase. The essential function of YopH in <i>Yersinia</i> pathogenesis is host-protein dephosphorylation. It contributes to the ability of the bacteria to resist phagocytosis by peritoneal macrophages.
Molecular Mass	59 kDa
Purity	> 90% by SDS-PAGE
Usage	Remove phosphate group from phosphorylated proteins, Phosphatase assay, ELISA, WB, SDS-PAGE, Immunogen, etc
Storage	Stable for 12 months at -80 centigrade, Avoid freeze/thaw cycles

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Storage Buffer 50mM Tris-HCl, 200mM NaCl, 10% Glycerol, pH 8.0

GENE INFORMATION

Gene Name yopH T3SS effector protein-tyrosine-phosphatase YopH [Yersinia pseudotuberculosis IP 32953]

Official Symbol yopH

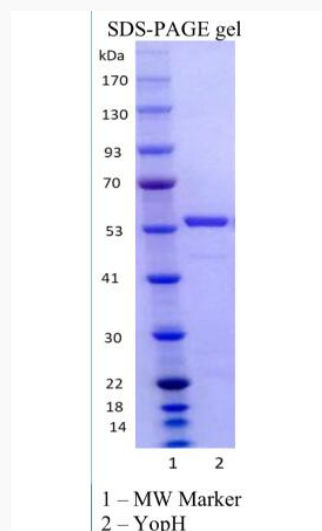
Synonyms yopH; T3SS effector protein-tyrosine-phosphatase YopH; EC 3.1.3.48; yop2b

Gene ID 66841085

Protein Refseq WP_002213278

UniProt ID P08538

SDS-PAGE



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