
Product Data Sheet

Product Name: Y.Enterocolitica (O:9) YopE
Cat. No.: GP25032
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Outer membrane virulence protein YopE; yopE; yop25.		
Formulation	Y.Enterocolitica (O:9) YopE is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.		

Introduction

A main factor of pathogenic Yersinia enterocolitica strains is a plasmid-encoded type 3 secretion system, through which Yersinia outer proteins (Yops) are injected into the host cell. Yop E is a GTPase activation protein which controls pore formation by activating small Rho GTPase, causing inhibition of actin polymerization.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

Recombinant Yersinia Enterocolitica (O:9) YopE in E.coli is a non-glycosylated, polypeptide chain having a calculated molecular mass of 24kDa. Y.Enterocolitica (O:9) YopE is expressed with a -10x His tag at N-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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