



Recombinant *H. pylori* VacA p33 [His] (DAG-WT1331)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding <i>H. pylori</i> VacA p33 (a.a. 1–311) was expressed with a polyhistidine tag at the C-terminus
Purity	> 90% as determined by SDS-PAGE
Conjugate	His
Applications	ELISA, LFIA
Molecular Weight	33 kDa
Format	Liquid
Size	1 mg
Buffer	20 mM Tris, 10 mM NaCl, 3% Glycerol, pH 9.0.
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction	<i>Helicobacter pylori</i> is a Gram-negative, microaerophilic bacterium that can inhabit various areas of the stomach, particularly the antrum. It causes a chronic low-level inflammation of the stomach lining and is strongly linked to the development of duodenal and gastric ulcers and stomach cancer. Over 80 percent of individuals infected with the bacterium are asymptomatic. The spiral shaped bacterium <i>Helicobacter pylori</i> is strongly associated with inflammation of the stomach and is also implicated in the development of gastric malignancy. <i>H. pylori</i> is known to
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cause peptic ulcers and chronic gastritis in human. It is associated with duodenal ulcers and may be involved in development of adenocarcimona and low-grade lymphoma of mucosa associated lymphoid tissue in the stomach. More recently this bacterium has also been implicated with a number of vascular disorders including heart disease.

Keywords

Helicobacter pylori; H pylori; Vacuolating cytotoxin A; VacA; p33
