



# Recombinant *H. pylori* VacA p55 [His] (DAG-WT1332)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	A DNA sequence encoding <i>H. pylori</i> VacA p55 (a.a. 312– 821) was expressed with a polyhistidine tag at the N-terminus
<b>Purity</b>	> 90% as determined by SDS-PAGE
<b>Conjugate</b>	His
<b>Applications</b>	ELISA, LFIA
<b>Molecular Weight</b>	55 kDa
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	20 mM Tris, 10 mM NaCl, 3% Glycerol, pH 9.0.
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C

## BACKGROUND

<b>Introduction</b>	<p><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</p>
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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 adenocarcinoma 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.

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**Keywords**

*Helicobacter pylori*; H pylori; Vacuolating cytotoxin A; VacA; p55

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