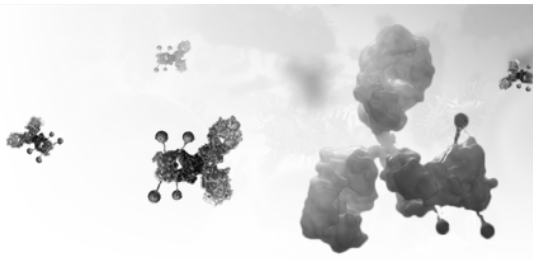

Recombinant H. pylori vacA Protein (a.a. 1018-1290) [His, B2M] (DAGC469)

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

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the Helicobacter pylori vacA (a.a. 1018-1290) was expressed with His-B2M tag at the N-terminus.
Antigen Description	All H. pylori strains contain a single chromosomal vacA gene. The intact H. pylori vacA gene encodes a protein about 140 kDa in mass. The genus Helicobacter includes at least 20 different species, but intact vacA genes are present only in H. pylori and H. cetorum, a species isolated from stomachs or fecal contents of marine mammals.
Purity	> 90% , as determined by SDS-PAGE
Conjugate	His, B2M
Applications	ELISA
Molecular Weight	43.6 kDa
Format	Liquid or Lyophilized powder
Concentration	Batch dependent - please inquire should you have specific requirements
Size	100 µg
Buffer	Tris-based buffer,50% glycerol
Preservative	None
Storage	Store at -20°C

BACKGROUND

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Introduction	Helicobacter pylori 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 Helicobacter pylori is strongly associated with inflammation of the stomach and is also implicated in the development of gastric malignancy. H. pylori is known to 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.
Keywords	Helicobacter pylori; H pylori; vacA

GENE INFORMATION

UniProt ID	P55981

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