Recombinant Helicobacter pylori CagA protein (Tagged) ab224836

Overview

Product name: Recombinant Helicobacter pylori CagA protein (Tagged)
Protein length: Protein fragment

Description

Nature: Recombinant
Source: Escherichia coli
Amino Acid Sequence
Accession: P80200
Species: Helicobacter pylori
Sequence:

KVNAKIDRLNQIASGLGVGQAAGFPLKRHDKVDDLS
KVGLSRNQELAQK
IDNLNQAVSEAKAGFFGNLEQTIDKLKDSTKHPMNL
WVESAKKVPASLS
AKLDNYATNSHIRINSNIKNGAINEKATGMILTQKNPEWL
KLVDKIVAHN
VGSVPLSEYDKGFMQKNMKDYSDFKSTKLNNAVK
DTNSGFTQLTNA
FSTASYCLARENAEHGIKNVNTKGQKS

Molecular weight: 41 kDa including tags
Amino acids: 918 to 1147
Tags: His tag N-Terminus
Additional sequence information: 6xHis-SUMO tag at the N-terminus.

Specifications

Our Abpromise guarantee covers the use of ab224836 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications

Mass Spectrometry
SDS-PAGE
Mass spectrometry: LC-MS/MS
Purity: >90% by SDS-PAGE.
Form: Liquid

Preparation and Storage
Stability and Storage: Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Constituents: 50% Glycerol, Tris buffer

General Info
Relevance: It is known that *H. pylori* strains exhibit a significant degree of diversity. The great variability in the *H. pylori* genome may explain why not all infected individuals suffer from ulcer. Some *H. pylori* strains contain particular pathogenic genes such as cytokine associated gene A (CagA), while others lack these genes. The CagA protein of *H. pylori* has been found to be associated with more severe clinical manifestations, such as ulcer disease and gastric cancer. Thus, discrimination between potentially virulent strains may be relevant.

Images
(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) analysis of ab224836 with 5% enrichment gel and 15% separation gel.

Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of ab224836 could indicate that this peptide derived from E.coli-expressed Helicobacter pylori (Campylobacter pylori) cagA.
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Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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