

# Recombinant Helicobacter pylori Catalase (AA 1-505), C-GFP/His-Tagged

Cat. No. Catalase-74H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Helicobacter pylori Catalase (AA 1-505) with C-GFP/His tag was expressed in E. coli.
<b>Species</b>	Helicobacter pylori
<b>Source</b>	E.coli
<b>ProteinLength</b>	AA 1-505
<b>Description</b>	Catalases are conserved and abundant enzymes found in all domains of life. They protect against oxidative stress and are highly expressed. In the gastric pathogen Helicobacter pylori, KatA levels are estimated to be up to 4-5% of the total protein content. The presence of the enzyme is ubiquitous, it could be detected in the cytoplasm, the periplasm and on the cell surface as well as being readily detected extracellularly. The enzyme is described to use heme as cofactor.
<b>Form</b>	Liquid
<b>AA Sequence</b>	MVNKDVKQTTAFGAPVWDDNNVITAGPRGPVLLQSTWFLEKLAAFDRERIPERVVH AKGSGAYGTFTVTKDITKYTKAKIFSKVGKKTECFRFRSTVAGERGSADAVRDRGRF AMKYYTEEGNWDLVGNNTVPVFFIRDIAIKFPDFIHTQKRDPQTNLPNHDMVWDFWSN VPESLYQVTWVMSDRGIPKSFHRHMDGFGSHTFSLINAKGERFVVKFHFHTMQGVK HLTNEEAAEVRKYDPDSNQRDLFNAIARGDFPKWKLSIQVMPEEDAKKYRFHPFDV TKIWYLQDYPLMEVGIVELNKNPENYFAEVEQAASFSPANVVPVPGIGYSPDRMLQGRLF

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SYGDTHRYRLGVNYPQIPVNKPRCPFHSSSRDGYMQNGYYGSLQNYTPSSLPGYK  
EDKSARDPKFNLAHIEKEFEVWNWDYRADDSDYYTQPGDYRSLPADEKERLHDTI  
GESLAHVTHKEIVDKQLEHFKKADPKYAEGVKKALEKHQKMMKDMHGKDMHHTKK  
KK

**Purity** > 75% as determined by SDS-PAGE

**Storage** Stored and shipped at -80 centigrade

**Storage Buffer** PBS, pH 7.4

## GENE INFORMATION

**Official Symbol** Catalase

**Synonyms** Catalase; KatA; EC:1.11.1.6

**Protein Refseq** [NP\\_207669](#)

**UniProt ID** [P77872](#)

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