

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

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

SPECIFICATION

Product Overview	Recombinant <i>Helicobacter pylori</i> Catalase (AA 1-505) with C-GFP/His tag was expressed in <i>E. coli</i> .
Species	<i>Helicobacter pylori</i>
Source	<i>E. coli</i>
Protein Length	AA 1-505
Description	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 <i>Helicobacter pylori</i> , 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.
Form	Liquid
AA Sequence	MVNKDVKQTTAFGAPVWDDNNVITAGPRGPVLLQSTWFLEKLAAFDRERIPERVVH AKGSGAYGTFTVTKDITKYTKAKIFSKVGKKTECFRSTVAGERGSADAVRDPRGF AMKYYTEEGNWDLVGNNTPVFFIRDAIKFPDFIHTQKRDPQTNLPNHDMVWDFWSN VPESLYQVTWVMSDRGIPKSFHMDGFGSHTFSLINAKGERFWVKFHFHTMQGVK HLTNEEAAEVRKYDPDSNQRDLFNAIARGDFPKWKLSIQVMPEEDAKKYRFHPFDV TKIWYLQDYPLMEVGIVELNKNPENYFAEVEQAAFSPANVVP GIGYSPDRMLQGRLF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SYGDTHRYRLGVNYPQIPV NKPRCPFHSSSRDGYMQNGYYGSLQNYTPSSLPGYK
EDKSARDPKFNLAHIEKEFEVWNWDYRADDSDYYTQPGDYRSLPADEKERLHDTI
GESLAHVTHKEIVDKQLEHFKKADPKYAEGVKKALEKHQKMMKDMH GKDMHHTKK
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](#)

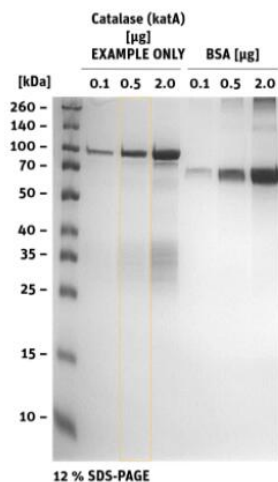
UniProt ID [P77872](#)

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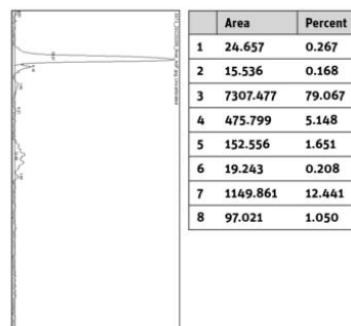
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SDS-PAGE



Histogram of marked lane in gel picture



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