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Datasheet for ABIN1665638

Catalase A (katA) Protein (AA 1-479) (His tag)

Overview

Quantity:	1 mg
Target:	Catalase A (katA) (KATA)
Protein Characteristics:	AA 1-479
Origin:	Fungus (Botryotinia fuckeliana)
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Catalase A (katA) protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MAQTNGVLQE PAITTMNGAP VLKPASTQRI GNQLRATLLL QDINLLELIQ HITHERIPER</p> <p>VVHARGTSAH GYFEVTDDIS DVTSA AFLNR VGKQTDIFCR FSTVAGRAES AETVRDTRGF</p> <p>AFKMFTEEGN LDWLFLSTPV FPIRDGAKFP SFTTHATKKNP RSGLPDHKAF WDYFTHNQEG</p> <p>IHFLMFLFSD RATPVDFQHA DIFSINTYKF TKSDGSFTYV KIH LKTNQGV KNFTQDEANQ</p> <p>KAGVDPDFQT RSLYEDIENQ KYPTWDVFAQ IIDPVKAENY HINIFDATKT PPFSEFPLRK</p> <p>FGKITLNRNV DNFFAEQEQS AFSPTNLVPG WALTPDPIQ TRALAYADTQ RYRLGANFVQ</p> <p>LPVNAPYKKP FTPLIRDGAA TVNGNLGGTP NYFPSSFYNV GAATQYAQPD EEQFQGTWVN</p> <p>FESEVDADY VQPRIFWEKT LAEEPGQQDN LISNVAGHLS AVTGDKGLGS STSGLCNVR</p>
Specificity:	Botryotinia fuckeliana (Noble rot fungus) (Botrytis cinerea)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: Catalase A (katA) (KATA)

Alternative Name: Catalase A (catA) ([KATA Products](#))

Background: Recommended name: Catalase A.
EC= 1.11.1.6

UniProt: [P55304](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.