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Datasheet for ABIN1660671

Catalase 3 Protein (AA 1-496) (His tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | Catalase 3 (LOC542370) |
| Protein Characteristics: | AA 1-496 |
| Origin: | Zea mays |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Catalase 3 protein is labelled with His tag. |
| Application: | ELISA |

Product Details

| | |
|------------------|---|
| Sequence: | MTMDPTKFRP SSSHDTTVTT TNAGAPVWND NEALTVGPRG PILLEDYHLI EKVAHFARER IPERVVHARG ASAKGFFECT HDVTSLTCAD FLRAPGVRTP VIVRFSTVIH ERGSPETIRD PRGFAVKFYT REGNWDLLGN NFPVFFIRDG IKFPDVIHAF KPNPRSHVQE YWRVDFLSH LPESLHTFFF LFDDVGVPD YRHMEGFGVN TYTFVSAAGK AQYVKFHWKP TCGVRCILTD EEAALVGGRN HSHATQDLYD SIAAGSFPEW TLYVQVMDPD TEEQYDFDPL DDTKTWPEDL LPLRPVGRV LDRNVNFFN ENEQLAFGPG LVVPGIYSD DKMLQCRVFA YADTQRYRLG PNYLMLPVNA PRCAHHNNHY DGAMNFMHRD EEVDYPSRH APLRQAAPPT PLPPRPVAGR REKATIRKPN DFKQPGERYR SWDADRQDRF VRRFADSLGH PKVSQELRSI WIDLLAKCDA SLGMKIATRL NMKANM |
| Specificity: | Zea mays (Maize) |
| 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 3 (LOC542370)

Alternative Name: Catalase isozyme 3 (CAT3) ([LOC542370 Products](#))

Background: Recommended name: Catalase isozyme 3.
EC= 1.11.1.6

UniProt: [P18123](#)

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 modified 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.