

Datasheet for ABIN1664724

## Catalase 3 Protein (AA 1-492) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	Catalase 3 (LOC542370)
Protein Characteristics:	AA 1-492
Origin:	Nicotiana tabacum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Catalase 3 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MDPYKYRPSS ANNSPFWTTN SGAPVWNNNS SMTVGTRGPI LLEDYHLVEK LANFDRERIP ERVVHARGAS AKGFFEVTHTD ITHLTCADFL RAPGVQTPVI VRFSTVIHER GSPETLRDPR GFAVKFYTRE GNFDLVGNF PVFFVRDGMK FPDMMVHALKP NPKSHIQENW RILDFFSHHP ESLHMFSFLF DDLGVPQDYR HMEGSGVNTY MLINKAGKAH YVKFHWKPTC GVKCLLEEEA IKVGGANHSK ATKDLYDSIA AGNYPEWKLF IQIIDPDHED RFDPLDVT KTWPEDILPL QPVGRLVLNK NIDNFFAENE QLAFWPAIVV PGVYCSDDKL LQTRIFSYSD AQRHRLGPNY LQLPVNAPKC AHHNNHHEGF MNFMHRDEEV NYFPSRFDPC RHAEQYPIPP CVLTGKRDKC IIEKENNFKQ PGERYRSWAP DRQERFICRW VDALS DPRVT HEIRSIWFSY WSQADKTLGQ KIASRLNVRP TM
Specificity:	Nicotiana glauca (Leadwort-leaved tobacco) (Tex-Mex tobacco)
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: [P49317](#)

## 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.