

Datasheet for ABIN1619070  
**ARO2 Protein (AA 1-432) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ARO2
Protein Characteristics:	AA 1-432
Origin:	Neurospora crassa
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARO2 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	<p>MSTFGHYFRV TTYGESHCKS VGCIVDGVPP GMELTEDDIQ PQMTRRRPGQ SAITTPRDEK</p> <p>DRVIIQSGTE FGVTLGTPIG MLVMNEDQRP KDYGNKTM DI YPRPSHADWT YLEKYGVKAS</p> <p>SGGGRSSARE TIGRVAAGAI AEKYLKLAYG VEIVAFVSSV GSEHLFPPTA EHPSPSTNPE</p> <p>FLKLVNSITR ETVDSFLPVR CPDAEANKRM EDLITKFRDN HDSIGGTVC VIRNVPSGLG</p> <p>EPAFDKLEAM LAHAML SIPA TKGFVVGSGF GGCEVPGSIH NDPFVSAENT EIPPSVAASG</p> <p>AARNGIPRPK LTTKTNFSGG IQGGISNGAP IYFRVGFKPA ATIGQEQT TA TYDGTSEGLV</p> <p>AAKGRHDPSV VPRAVPIEA MAALVIMDAV LAQQARHTAK SLLPPLKQTI NSGKDTVGN G</p> <p>VSENVQESDL AQ</p>
Specificity:	Neurospora crassa (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987)
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: ARO2

Alternative Name: Chorismate synthase (aro-2) ([ARO2 Products](#))

Background: Recommended name: Chorismate synthase.  
EC= 4.2.3.5.  
Alternative name(s): 5-enolpyruvylshikimate-3-phosphate phospholyase

UniProt: [Q12640](#)

## 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.