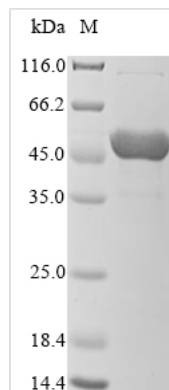




Recombinant Neurospora crassa Chorismate synthase (aro-2)

Product Code	CSB-EP615522NHA
Abbreviation	Recombinant Neurospora crassa aro-2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q12640
Storage Buffer	Tris-based buffer, 50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Neurospora crassa (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSTFGHYFRVTTYGESHCCKSVGCIVDGVPPGMELTEDDIQPQMTRRRPGQSA ITTPRDEKDRVIIQSGTEFGVTLGTPIGMLVMNEDQRPKDYGNKTMDIYPRPSH ADWTYLEKYGVKASSGGGRSSARETIGRVAAGAIAEKYLKLAYGVEIVAFVSS VGSEHLFPPTAEHPSPSTNPEFLKLVNSITRETVDSFLPVRCPDAAEANKRMED LITKFRDNHDSIGGTVTCVIRNVPSGLGEPAFDKLEAMLAHAML SIPATKGFV GSGFGGCEVPGSIHNDPFVSAENTEIPPSVAASGAARNGIPRPKLTTKTNFSG GIQGGISNGAPIYFRVGFKAATIGQEQTATYDGTSEGVLAAGRHDPSPVVP RAVPIVEAMAALVIMDAVLAQQAARHTAKSLLPPLKQTINSGKDTVGNVSENV QESDLAQ
Research Area	Others
Source	E.coli
Target Names	aro-2
Protein Names	Recommended name: Chorismate synthase EC= 4.2.3.5 Alternative name(s): 5-enolpyruvylshikimate-3-phosphate phospholyase
Expression Region	1-432aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal 6xHis-tagged
Mol. Weight	46.8 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Expressing the recombinant *Neurospora crassa* (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987) aro-2 protein generally involves constructing a plasmid encoding the *Neurospora crassa* (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987) aro-2 protein (1-432aa). This plasmid is introduced into *e.coli* cells, followed by the selection and culturing of positive *e.coli* cells, induction of protein expression, and subsequent cell lysis. The protein is fused with a C-terminal 6xHis tag. The recombinant *Neurospora crassa* (strain ATCC 24698 / 74-OR23-1A / CBS 708.71 / DSM 1257 / FGSC 987) aro-2 protein is purified through affinity purification, and SDS-PAGE analysis is conducted to confirm the presence of the protein and determine its purity. This protein exhibits a purity exceeding 90%.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.