



Recombinant Agrobacterium sp.3-phosphoshikimate 1-carboxyvinyltransferase (aroA)

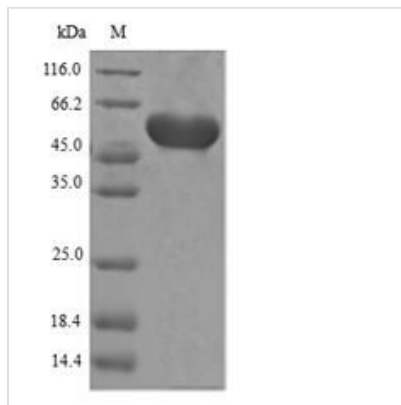
Product Code	CSB-YP870830ALAE
Relevance	Catalyzes the transfer of the enolpyruvyl moiety of phosphoenolpyruvate (PEP) to the 5-hydroxyl of shikimate-3-phosphate (S3P) to produce enolpyruvyl shikimate-3-phosphate and inorganic phosphate.
Abbreviation	Recombinant Agrobacterium sp. aroA protein
Storage	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.	Q9R4E4
Alias	5-enolpyruvylshikimate-3-phosphate synthase Short name: EPSP synthase Short name: EPSPS
Product Type	Recombinant Protein
Immunogen Species	Agrobacterium sp. (strain CP4)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSHGASSRPATARKSSGLSGTVRIPGDKSISHRSFMFGGLASGETRITGLLEG EDVINTGKAMQAMGARIRKEGDTWIIDGVGNGLLAPEAPLDFGNAATGCRLT MGLVGVDYDFDSTFIGDASLTKRPMGRVLNPLREMGVQVKSEDGDRLPVTLRG PKTPTPITYRVPMASAQVKSALLAGLNTPGITTVIEPIMTRDHTKMLQGFGA NLTVETDADGVRTIRLEGRGKLTGQVIDVPGDPSSTAFPLVAALLVPGSDVTIL NVLMNPTRTGLILTLQEMGADIEVINPRLAGGEDVADLRVRSSTLKGVTVPEDR APSMIDEYPILAVAAFAEGATVMNGLEELRVKESDRLSAVANGLKLNGVDCD EGETSLVVRGRPDGKGLGNASGAAVATHLDHRIAMSFLVMGLVSENPTVDD ATMIATSFPEFMDLMAGLGAKIELSDTKAA
Research Area	Others
Source	Yeast
Target Names	aroA
Protein Names	Recommended name: 3-phosphoshikimate 1-carboxyvinyltransferase EC= 2.5.1.19 Alternative name(s): 5-enolpyruvylshikimate-3-phosphate synthase Short name= EPSP synthase Short name= EPSPS
Expression Region	1-455aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 49.6kDa

Protein Length Full Length

Image



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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.