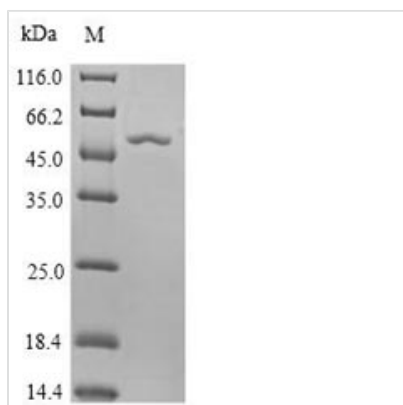




Recombinant Agrobacterium sp. 3-phosphoshikimate 1-carboxyvinyltransferase (aroA)

Product Code	CSB-MP870830ALAE
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
Product Type	Recombinant Proteins
Immunogen Species	Agrobacterium sp. (strain CP4)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSHGASSRPATARKSSGLSGTVRIPGDKSISHRSFMFGGLASGETRITGLLEG EDVINTGKAMQAMGARIRKEGDTWIIDGVGNGLLAPEAPLDFGNAATGCRLT MGLVGVDYDFDSTFIGDASLTKRPMGRVLNPLREMGVQVKSEDGDRLPVTLRG PKTPTPITYRVPMASAQVKSALLAGLNTPGITTVIEPIMTRDHTKMLQGFGA NLTVETDADGVRTIRLEGRGKLTGQVIDVPGDPSSTAFPLVAALLVPGSDVTIL NVLMNPTRTGLILTLQEMGADIEVINPRLAGGEDVADLRVRSSTLKGVTVPEDR APSMIDEYPILAVAAAFAGATVMNGLEELRVKESDRLSAVANGLKLNGVDCD EGETSLVVRGRPDGKGLGNASGAAVATHLDHRIAMSFLVMGLVSENPTVDD ATMIATSFPEFMDLMAGLGAKIELSDTKAA
Research Area	Others
Source	Mammalian cell
Target Names	aroA
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-Myc-tagged
Mol. Weight	51.6kDa
Protein Length	Full Length
Image	



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

Description

Investigate the functionality of 3-phosphoshikimate 1-carboxyvinyltransferase with Recombinant *Agrobacterium* sp. (strain CP4) *aroA* protein. This full-length protein, spanning the 1-455aa expression region, is produced in mammalian cells to ensure proper folding and post-translational modifications. The N-terminal 6xHis-tag enables efficient purification, while the protein's purity is confirmed to be greater than 90% by SDS-PAGE analysis. Provided as a lyophilized powder, the recombinant *Agrobacterium* sp. *aroA* protein is a valuable tool for understanding the biochemical and structural properties of this critical enzyme involved in aromatic amino acid biosynthesis.

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.