

Recombinant Agrobacterium sp. AROA Protein (1-455 aa), His-SUMO-tagged

Cat. No. AROA-1897A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Agrobacterium sp. (strain CP4) AROA Protein (1-455 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Agrobacterium sp.
Source	E.coli
ProteinLength	1-455 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	63.6 kDa
AA Sequence	MSHGASSRPATARKSSGLSGTVRIPGDKSISHRSFMFGGLASGETRITGLLEGEDVI NTGKAMQAMGARIRKEGDTWIIDGVGNGLLAPEAPLDFGNAATGCRLTMGLVG VYDFDSTFIGDASLTKRPMGRVLNPLREMGVQVKSEGDRLPVTLRGPKTPTPITYRVP MASAQVKSALLAGLNTPGITTVEIPIMTRDHTKMLQGFGANLTVETDADGVRTIRL EGRGKLTGQVIDVPGDPSSTAFPLVAALLVPGSDVTILNVLNPNTRTGLILTLQEMGA DIEVINPRLAGGEDVADLRVRSSTLKGVTVPEDRAPSMIDEYPILAVAAFAEGATVM

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NGLEELRVKESDRLSAVANGKLNGVDCDEGETSLVVRGRPDGKGLGNASGAAVA
THLDHRIAMSFLVMGLVSENPVTVDDATMIATSFPEFMDLMAGLGAKIELSDTKAA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

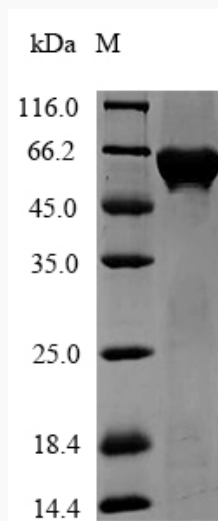
Synonyms aroA; 5-enolpyruvylshikimate-3-phosphate synthase Short name:EPSP synthase
Short name:EPSPS;

UniProt ID [Q9R4E4](#)

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

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