

Agrobacterium sp.3-phosphoshikimate 1-carboxyvinyltransferase (aroA) Recombinant Protein | aroA recombinant protein

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

CATALOG # AAA18780	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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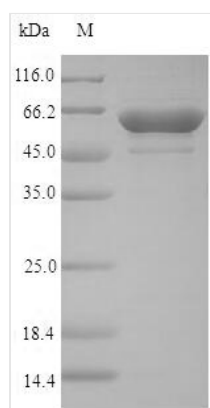
PRODUCT SYNONYMS

Agrobacterium sp.3-phosphoshikimate 1-carboxyvinyltransferase (aroA); Recombinant Agrobacterium sp.3-phosphoshikimate 1-carboxyvinyltransferase (aroA); 5-enolpyruvylshikimate-3-phosphate synthase; EPSP synthase; EPSPS; aroA recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-455aa; Full Length
Sequence	MSHGASSRPA TARKSSGLSG TVRIPGDKSI SHRSFMFGGL ASGETRITGL LEGEDVINTG KAMQAMGARI RKEGDTWIID GVGNGGLLAP EAPLDFGNAA TGCRLTMGLV GYDFDSTFI GDASLTKRPM GRVLNPLREM GVQVKSEGDG RLPVTLRGPK TPTPITYRVP MASAQVKS AV LLAGLNTPGI TTVIEPIMTR DHTEKMLQGF GANLTVETDA DGVRTIRLEG RGKLTGQVID VPGDPSSTAF PLVAALLVPG SDVTILNVLM NPTRTGLILT LQEMGADIEV INPRLAGGED VADLRVRSST LKGVTPEDR APSMIDEYPI LAVAAFAEG ATVMNGLEEL RVKESDRLSA VANGKLNGV DCDEGETSLV VRGRPDGKGL GNASGA AVAT HLDHRIAMSF LVMGLVSENP VTVDDATMIA TSFPEFMDLM AGLGAKIELS DTKAA
Species	Agrobacterium sp. (strain CP4)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for aroA recombinant protein	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.
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References	"The expressed protein in glyphosate-tolerant soybean, 5-enolpyruvylshikimate-3-phosphate synthase from Agrobacterium sp. strain CP4, is rapidly digested in vitro and is not toxic to acutely gavaged mice." Harrison L.A., Bailey M.R., Naylor M.W., Ream J.E., Hammond B.G., Nida D.L., Burnette B.L., Nickson T.E., Mitsky T.A., Taylor M.L., Fuchs R.L., Padgett S.R. J. Nutr. 126:728-740(1996)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8469107
UniProt Accession #	Q9R4E4
Molecular Weight	49.6 kDa
NCBI Official Full Name	3-phosphoshikimate 1-carboxyvinyltransferase
UniProt Protein Name	3-phosphoshikimate 1-carboxyvinyltransferase
UniProt Gene Name	aroA
UniProt Synonym Gene Names	EPSP synthase; EPSPS
UniProt Entry Name	ARO_AGRSC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/aroa-recombinant-protein-e-coli/18780>