# Shikimate Kinase 1 (aroK) Escherichia Fergusonii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Shikimate kinase 1 (aroK), Recombinant Protein |
| **Full Product Name** | Recombinant Escherichia fergusonii Shikimate kinase 1 (aroK) |
| **Product Gene Name** | aroK recombinant protein |
| **Sequence** | MAEKRNIFLV GPMGAGKSTI GRQLAQQLNM EFYDSDQEIE KRTGADVGWV FDLEGEDGFR DREEKVINEL TEKQGIVLAT GGGSVKSRET RNRLSARGVV VYLETTIEKQ LARTQRDKKR PLLQVEAPPR EVLEALANER NPLYEEIADV TIRTDDQSAK VVANQIIHML ESN |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 19,485 Da |
| **Sequence Positions** | 1-173, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for B7LS91 |
| **Species** | Escherichia fergusonii (strain 35469 / DSM 13698 / CDC 0568-73) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for aroK recombinant protein** | MBS1120313 is a recombinant protein targeting aroK. Also known as Recombinant Escherichia fergusonii Shikimate kinase 1 (aroK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of aroK recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for aroK. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 446741361 |
| **NCBI Accession #** | WP_000818617.1 |
| **UniProt Primary Accession #** | B7LS91 |
| **GenBank Nucleotide #** | WP_000818617.1 |
| **NCBI Official Full Name** | shikimate kinase |
| **UniProt Protein Name** | Shikimate kinase 1 |
| **Protein Family** | Putative shikimate kinase |

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| **UniProt Gene Name** | aroK |
| **UniProt Synonym Gene Names** | SK 1 |
| **UniProt Comments for aroK** | Catalyzes the specific phosphorylation of the 3-hydroxyl group of shikimic acid using ATP as a cosubstrate. |
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