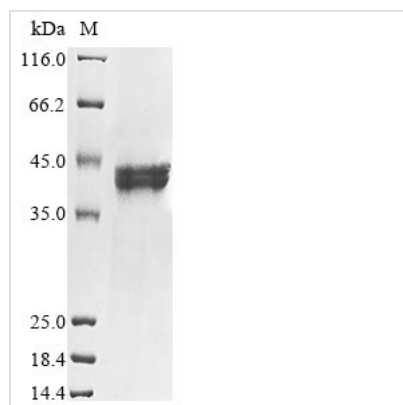




Recombinant Escherichia coli Phospho-2-dehydro-3-deoxyheptonate aldolase, Trp-sensitive (aroH)

Product Code	CSB-EP355572ENV
Abbreviation	Recombinant E.coli aroH 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.	P00887
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MNRTDELRTARIESLVTPEALALRYPVTPGVATHVTDSRRRIEKILNGEDKRLLV IIGPCSIHDLTAAMEYATRLQSLRNQYQSRLEIVMRTYFEKPRTVVGWKGGLISD PDLNGSYRVNHGLELARKLLLQVNELGVPTATEFLDMVTGQFIADLISWGAIGA RTTESQIHREMASALSCPVGFKNGTDGNTRIAVDAIRAARASHMFLSPDKNGQ MTIYQTSGNPYGHII MRGGKKPNYHADDIAACDTLHEFDLPEHLVVD FSHGN CQKQHRRQLEVCEDICQQRNGSTAIAGIMAESFLREGTQKIVGSQPLTYGQSI TDPCLGWEDTERLVEKLASAVDTRF
Research Area	others
Source	E.coli
Target Names	aroH
Expression Region	1-348aa
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	42.8 kDa
Protein Length	Full Length
Image	



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

Description

To achieve the expression of the recombinant Escherichia coli (strain K12) aroH protein in e.coli cells, a DNA fragment encoding the Escherichia coli (strain K12) aroH protein (1-348aa) is inserted into a plasmid vector, which is then transferred to e.coli cells. After screening positive cells, they are cultured and induced to create the aroH protein. The protein features a N-terminal 6xHis tag fusion. The recombinant Escherichia coli (strain K12) aroH protein is purified from the cell lysate through affinity purification. The purity of the obtained recombinant Escherichia coli (strain K12) aroH protein is greater than 85%, measured by SDS-PAGE.

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.