

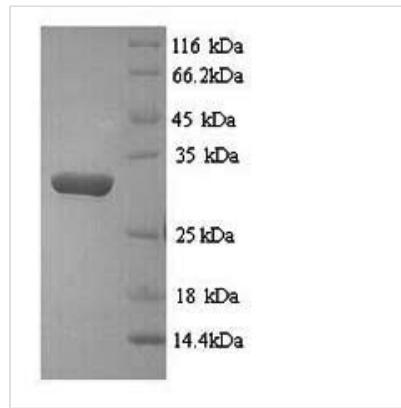


Recombinant Salmonella typhi 3-dehydroquinase dehydratase(aroD)

Product Code	CSB-YP326162SWW
Relevance	Involved in the third step of the chorismate pathway, which leads to the biosynthesis of aromatic amino acids. Catalyzes the cis-dehydration of 3-dehydroquinase (DHQ) and introduces the first double bond of the aromatic ring to yield 3-dehydroshikimate. The reaction involves the formation of an imine intermediate between the keto group of 3-dehydroquinase and the epsilon-amino group of Lys-170 at the active site.
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.	P24670
Storage Buffer	Tris-based buffer,50% glycerol
Alias	Type I DHQase
Product Type	Recombinant Protein
Species	Salmonella typhi
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MKTVTVKNLIIGEGMPKIIVSLMGRDINSVKAEALAYREATFDILEWRVDHFMDI ASTQSVLTAARVIRDAMPDIPLLFTRSAKEGGEQTITTQHYLTLNRAAIDSGLV DMIDLELFTGDADV KATVDYAHAHNVYVVMNSNHDFHQTPSAEEMVLRRLKMQ ALGADIPKIAVMPQSKHDVLTLLTATLEMQQHYADRPVITMSMAKEGVISRLAG EVFGSAATFGAVKQASAPGQIAVNDLRSVLMILHNA
Lead Time	3-7 business days
Research Area	Others
Source	Yeast
Gene Names	aroD
Protein Names	Recommended name: 3-dehydroquinase dehydratase Short name= 3-dehydroquinase EC= 4.2.1.10 Alternative name(s): Type I DHQase
Expression Region	1-252aa
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	29.6kDa
Protein Description	Full Length



Image



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