Recombinant Salmonella Typhi AROD Protein (1-252 aa), His-tagged

SPECIFICATION

Cat.No.	AROD-1587S
Species	Salmonella Typhi
Product Name	Recombinant Salmonella Typhi AROD Protein (1-252 aa), His-tagged
Product Overview	Recombinant Salmonella Typhi AROD Protein (1-252 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Description	Involved in the third step of the chorismate pathway, which leads to the biosynthesis of aromatic amino acids. Catalyzes the cis-dehydration of 3-dehydroquinate (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-dehydroquinate and the epsylon-amino group of Lys-170 at the active site.
Source	Yeast
Tag	His
Form	Tris-based buffer,50% glycerol
Molecular Mass	29.6 kDa
Protein length	1-252 aa
AA Sequence	MKTVTVKNLIIGEGMPKIIVSLMGRDINSVKAEALAYREATFDILEWRVDHFMDIASTQS VLTAARVIRDAMPDIPLLFTFRSAKEGGEQTITTQHYLTLNRAAIDSGLVDMIDLELFTG DADVKATVDYAHAHNVYVVMSNHDFHQTPSAEEMVLRLRKMQALGADIPKIAVMPQ SKHDVLTLLTATLEMQQHYADRPVITMSMAKEGVISRLAGEVFGSAATFGAVKQASA PGQIAVNDLRSVLMILHNA
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

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	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.
Synonyms	aroD; Type I DHQase;
UniProt ID	P24670
Figure 1	AROD-1587S, 1.jpg
Figure Note 1	(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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