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

Cat. No. AROD-899S **Lot. No.** (See product label)

SPECIFICATION

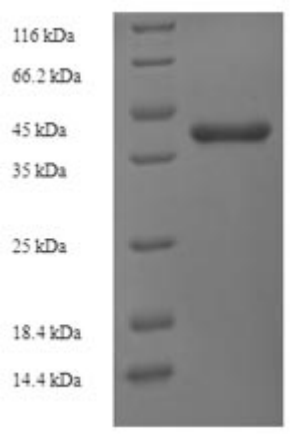
Product Overview	Recombinant Salmonella Typhi AROD Protein (1-252 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
Species	Salmonella Typhi
Source	E.coli
ProteinLength	1-252 aa
Description	Involved in the third 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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	43.6 kDa
AA Sequence	MKTVTVKNLIIGEGMPKIIVSLMGRDINSVKAEALAYREATFDILEWRVDHFMDIASTQ SVLTAARVIRDAMPDIPLLFTFRSAKEGGEQTITTQHYLTLNRAAIDSGLVDMIDLELF TGDADVKATVDYAHAHNVYVVMSNHDFHQTPSAEEMVLRLRKMQALGADIPKIAVM PQSKHDVLTLLTATLEMQQHYADRPVITMSMAKEGVISRLAGEVFGSAATFGAVKQA

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	SAPGQIAVNDLRSVLMILHNA
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 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 concentration instruction is sent along with the products.

GENE INFORMATION

UniProt ID	P24670



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

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