

Recombinant Escherichia coli RFAE Protein (1-477 aa), His-SUMO-tagged

Cat. No. RFAE-2015E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) RFAE Protein (1-477 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Full Length.
Species	E.coli
Source	E.coli
ProteinLength	1-477 aa
Description	Catalyzes the phosphorylation of D-glycero-D-manno-heptose 7-phosphate at the C-1 position to selectively form D-glycero-beta-D-manno-heptose-1,7-bisphosphate.
Form	Tris-based buffer,50% glycerol
Molecular Mass	67.1 kDa
AA Sequence	MKVTLPEFERAGVMVVGDMVLDTRYWYGPTSRISPEAPVPVVKVNTIEERPGBAANV AMNIASLGANARLVGLTGIDDAARALSKSLADVNVKCDFVSVPTHTITKLRVLSRNQ QLIRLDFEEGFEGVDPQPLHERINQALSSIGALVLSDYAKGALASVQQMIQLARKAGV PVLIDPKGTDFFERYRGATLLTPNLSEFEAVVGKCKTEEEIVERGMKLIADYELSALLVT RSEQGMSLLQPGKAPLHMPTQAQEVYDVTGAGDTVIGVLAATLAAGNSLEEACFFA NAAAGVVVGKLGSTVSPIELENAVRGRADTGFGVMTEEELKLAVAAARKRGEKVV MTNGVFDILHAGHVSYLANARKLGDR LIVAVNSDASTKRLKGDSRPVNP LEQRMIVL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	GALEAVDWVVSFEEDTPQRLIAGILPDLLVKGGDYKP EEIAGSKEVWANGGEVLVLN FEDGCSTTNIKKIQQDKKG
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 reconstitution instruction is sent along with the products.

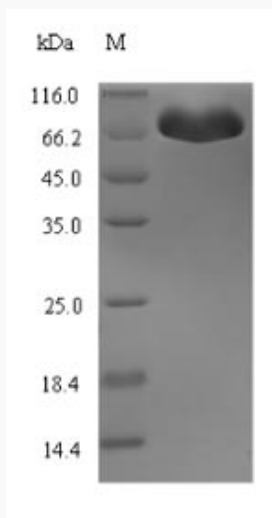
GENE INFORMATION

Gene Name	rfaE fused heptose 7-phosphate kinase/heptose 1-phosphate adenylyltransferase [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	RFAE
Synonyms	ECK3042; gmhC; hldE; waaE; yqiF;
Gene ID	947548
Protein Refseq	NP_417524
UniProt ID	P76658

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

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