Recombinant Escherichia coli RPSO Protein (30S) (2-89 aa), His-tagged

Cat. No. RPSO-1232E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) RPSO Protein (30S) (2-89 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	E.coli
ProteinLength	2-89 aa
Description	One of the primary rRNA binding proteins, it binds directly to 16S rRNA where it helps nucleate assbly of the platform of the 30S subunit by binding and bridging several RNA helices of the 16S rRNA.In the E.coli 70S ribosome it has been modeled to contact the 23S rRNA of the 50S subunit forming part of bridge B4. In the two 3.5 A resolved ribosome structures there are minor differences between side-chain conformations.
Form	Tris-based buffer,50% glycerol
Molecular Mass	14.1 kDa
AA Sequence	SLSTEATAKIVSEFGRDANDTGSTEVQVALLTAQINHLQGHFAEHKKDHHSRRGLLR MVSQRRKLLDYLKRKDVARYTQLIERLGLRR

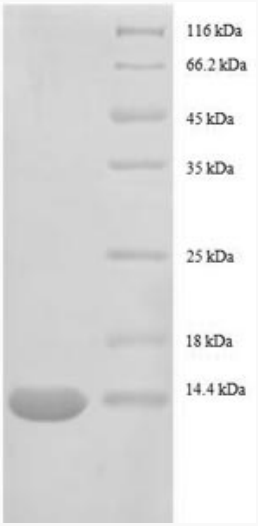
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	rpsO 30S ribosomal subunit protein S15 [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	RPSO
Synonyms	ECK3154; secC;
Gene ID	947686
Protein Refseq	NP_417634
UniProt ID	P0ADZ4

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

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