Recombinant Escherichia coli RPSS Protein (30S) (2-92 aa), His-tagged

Cat. No. RPSS-1230E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) RPSS Protein (30S) (2-92 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	2-92 aa
Description	In the E.coli 70S ribosome in the initiation state it has been modeled to contact the 23S rRNA of the 50S subunit forming part of bridge B1a; this bridge is broken in the model with bound EF-G. The 23S rRNA contact site in bridge B1a is modeled to differ in different ribosomal states , contacting alternately S13 or S19. In the 3.5 angstroms resolved ribosome structures the contacts between L5, S13 and S19 bridge B1b are different, confirming the dynamic nature of this interaction. Bridge B1a is not visible in the crystallized ribosomes due to 23S rRNA disorder.
Form	Tris-based buffer,50% glycerol
Molecular Mass	14.3 kDa
AA Sequence	PRSLKKGPFIDLHLLKKVEKAVESGDKKPLRTWSRRSTIFPNMIGLTIAVHNGRQHVP VFVTDEMVGHKLGEFAPTRTYRGHAADKKAKKK

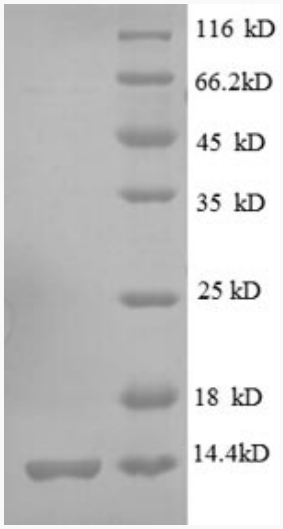
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage 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	rpsS 30S ribosomal subunit protein S19 [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	RPSS
Synonyms	ECK3303;
Gene ID	947811
Protein Refseq	NP_417775
UniProt ID	P0A7U3

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

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