

Recombinant Escherichia coli RPSC Protein (30S) (2-233 aa), GST-tagged

Cat. No. RPSC-1227E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) RPSC Protein (30S) (2-233 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	E.coli
Source	E.coli
ProteinLength	2-233 aa
Description	Binds the lower part of the 30S subunit head. Binds mRNA in the 70S ribosome, positioning it for translation .Plays a role in mRNA unwinding by the ribosome, possibly by forming part of a processivity clamp.
Form	Tris-based buffer,50% glycerol
Molecular Mass	52.9 kDa
AA Sequence	GQKVHPNGIRLGIVKPWNSTWFANTKEFADNLDSDFKVRQYLTKELAKASVSRIVIE RPAKSIRVTIHTARPGVIGVGGEDVEKLRKVADIAGVPAQINIAEVRKPELDAKLVD SITSQLERRVMFRRAMKRAVQNAMRLGAKGIKVEVSGRLGGAEIARTEWYREGRVP LHTLRADIDYNTSEAHTTYGVIGVKVWIFKGEILGGMAAVEQPEKPAAQPKKQQRKG RK

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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	rpsC 30S ribosomal subunit protein S3 [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	RPSC
Synonyms	ECK3301;
Gene ID	947814
Protein Refseq	NP_417773
UniProt ID	P0A7V3

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