

Recombinant Escherichia coli RPLF Protein (50S) (2-175 aa), GST-tagged

Cat. No. RPLF-1237E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) RPLF Protein (50S) (2-175 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Partial.
Species	E.coli
Source	E.coli
ProteinLength	2-175 aa
Description	This protein binds directly to at least 2 domains of the 23S ribosomal RNA, thus is important in its secondary structure. It is located near the subunit interface in the base of the L7/L12 stalk, and near the tRNA binding site of the peptidyltransferase center. Gentamicin-resistant mutations in this protein affect translation fidelity.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	45.5 kDa
AA Sequence	SRVAKAPVVVPAGVDVKINGQVITIKGKNGELTRTLNDAVEVKHADNTLTFGPRDGY ADGWAQAGTARALLNSMVIGVTEGFTKKLQLVGVGYRAAVKGNVINLSLGFSPVD HQLPAGITAECPTQTEIVLKGADKQVIGQVAADLRAYRRPEPYKKGKGVRYADEVVRT KEAK

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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.

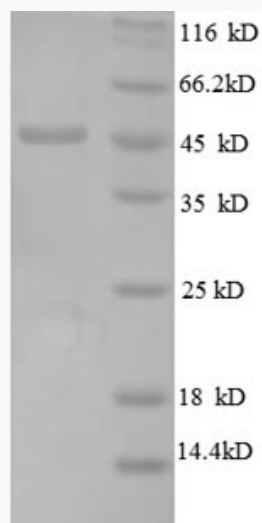
GENE INFORMATION

Gene Name	rpIF 50S ribosomal subunit protein L6 [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	RPLF
Synonyms	ECK3292;
Gene ID	947803
Protein Refseq	NP_417764
UniProt ID	P0AG55

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

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