RpmC, Recombinant, E. coli, aa1-63, His-Tag (50S Ribosomal Protein L29)

Catalog number

375120

Supplier

United States Biological

Binds 23S rRNA. It is not essential for growth. One of the proteins that surrounds the polypeptide exit tunnel on the outside of the subunit. Contacts trigger factor.

Source

Recombinant full length protein corresponding to aa1-63 from E. coli 50S Ribosomal Protein L29, fused to 6xHis-Tag at N-terminal, expressed in E. coli.

Molecular Weight

~11.3kD

AA Sequence

MKAKELREKSVEELNTELLNLLREQFNLRMQAASGQLQQSHLLKQVRRDVARVKTLLNEKAGA

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 6 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Formulation

Supplied as a liquid in Tris-HCl, pH 8.0, 1mM EDTA, 50% glycerol.

Purity

~90% (SDS-PAGE)

Grade

Purified

Storage

-20°C

MW

11.3

Antigen Modification

Recombinant, E. coli

Reference

1. Interplay of signal recognition particle and trigger factor at L23 near the nascent chain exit site on the Escherichia coli ribosome. Ullers R.S., Houben E.N.G., Raine A., ten Hagen-Jongman C.M., Ehrenberg M., Brunner J., Oudega B., Harms N., Luirink J.J. Cell Biol. 161:679-684(2003).