

Recombinant E.coli 30S ribosomal protein S15

Catalog No: #AP72030

Package Size: #AP72030-1 20ug #AP72030-2 100ug #AP72030-3 1mg

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Description

Product Name	Recombinant E.coli 30S ribosomal protein S15
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-89aaSequence Info:Full Length
Accession No.	P0ADZ4
Uniprot	P0ADZ4
GeneID	947686;
Calculated MW	14.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	SLSTEATAKIVSEFGRDANDTGSTEVQVALLTAQINHLQGHFAEHKKDHHSRRGLLRMVSQRRKLLDYLKRKD VARYTQLIERLGLRR
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

One of the primary rRNA binding proteins, it binds directly to 16S rRNA where it helps nucleate assembly 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 Å resolved ribosome structures there are minor differences between side-chain conformations.

References

Escherichia coli proteome analysis using the gene-protein database. VanBogelen R.A., Abshire K.Z., Moldover B., Olson E.R., Neidhardt F.C. Electrophoresis 18:1243-1251(1997) Research Topic: Others

Note: This product is for in vitro research use only