

Recombinant Replication initiation protein(repD)



Catalog No: #AP73795

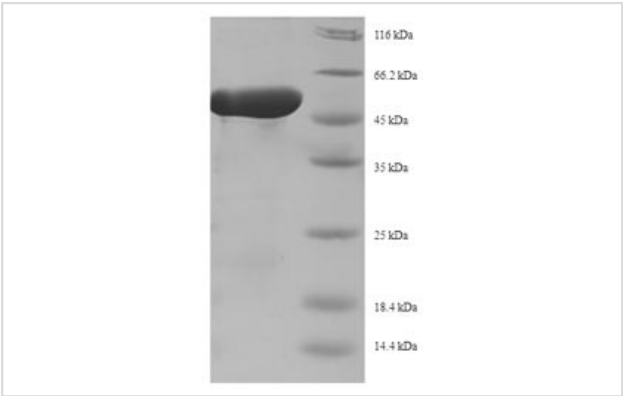
Package Size: #AP73795-1 10ug #AP73795-2 50ug #AP73795-3 100ug #AP73795-4 200ug #AP73795-5 500ug #AP73795-6 1mg  
Orders: [order@abscitech.com](mailto:order@abscitech.com)  
Support: [tech@abscitech.com](mailto:tech@abscitech.com)

| Description       |                                                                                                                                                                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name      | Recombinant Replication initiation protein(repD)                                                                                                                                                                                                                                                                                         |
| Brief Description | Recombinant Protein                                                                                                                                                                                                                                                                                                                      |
| Host Species      | E.coli                                                                                                                                                                                                                                                                                                                                   |
| Target Name       | repD                                                                                                                                                                                                                                                                                                                                     |
| Accession No.     | Uniprot ID: P03065                                                                                                                                                                                                                                                                                                                       |
| Target Species    | Staphylococcus aureus                                                                                                                                                                                                                                                                                                                    |
| SDS-PAGE MW       | 53.46kDa                                                                                                                                                                                                                                                                                                                                 |
| Target Length     | Full Length, 1-311aa                                                                                                                                                                                                                                                                                                                     |
| Tag Info          | N-terminal 6xHis-SUMO-tagged                                                                                                                                                                                                                                                                                                             |
| Target Sequence   | MSTENHSNYLQNKDLDNFSKTGYSNSRLSGNFFFTPQPELSFDAMTIVGNLNKTNNAKKLSDFMSTEPQIRLWD<br>ILQTKFKAKALQEKVYIEYDKVKADSWDRRNMRVEFNPNKLTHEEMLWLKQNIIDYMEDDGFTRLDLAFDFED<br>DLSDYYAMTDKAVKKTIFYGRNGKPETKYFGVRDSDRFIRIYNKKQERKDNADVEVMSEHLWRVEIELKRDMV<br>DYWNDCFDDLHILKPDWTTPEKVKEQAMVYLLNNEEGTWGKLERHAKYKYKQLIKEISPIDLTELMKSTLKENE<br>KQLQKQIDFWQREFRFWK |
| Formulation       | Tris-based buffer,50% glycerol                                                                                                                                                                                                                                                                                                           |
| Storage           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>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.                                                   |

Application Details

Greater than 90% as determined by SDS-PAGE.

Images



## Background

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This protein is probably a specific topoisomerase involved in initiating replication. This protein is specifically required and may be rate-limiting for replication of the plasmid in vivo.

## References

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"The use of synthetic oligonucleotides with universal templates for rapid DNA sequencing: results with staphylococcal replicon pC221."  
Brenner D.G., Shaw W.V.EMBO J. 4:561-568(1985)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.