

Recombinant Rhodopseudomonas sphaeroides rsrIM Protein Product Manual

1. Product Basic Information

Product No.: REP08137

Protein Name: Modification Methylase Rsri (rsrIM)

Aliases: Modification methylase Rsri

UniProt ID: P14751

UniProt Link: <https://www.uniprot.org/uniprotkb/P14751/entry>

Species Source: Rhodobacter sphaeroides (Rhodopseudomonas sphaeroides)

Expression System: E.coli

Protein Length: Full Length (1-319aa)

Molecular Weight: 51.7kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-319aa)

MANRSHHNAGHRAMNALRKSGQKHSSSQLGSSEIGTTRHVYDVCDCDLTLAKLP
DDSVQLIICDPPYNI MLADWDDHMDYIGWAKRWLAEAEERVLSP TGSIAIFGGLQYQG
EAGSGDLISIISHMRQNSKMLLANLIWNYPNGMSAQRFFANRHEEIAWFAKTKKYF
FDLDAVREPYDEETKAAYMKDKRLNPESVEKGRNPTNVWRMSRLNGNSLERVGH
PTQKPAAVIERLVRALSHPGSTVLDF FAGSGVTARVAIQEGRNSICTDAAPVFKEYY
QKQLTFLQDDGLIDKARSYEIVEGAANFGAALQRGDVAS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant *Rhodopseudomonas sphaeroides* rsrIM full length protein (1-319aa) expressed in *E.coli*. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. rsrIM, also known as Modification methylase RsrI, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.