

# Recombinant Full Length Rhodobacter Sphaeroides Membrane Protein Insertase Yidc(Yidc) Protein, His-Tagged

**Cat. No.** RFL27772RF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| <b>Product Overview</b> | Recombinant Full Length Rhodobacter sphaeroides Membrane protein insertase YidC(yidC) Protein (Q3IYY6) (1-623aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Rhodobacter Sphaeroides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-623)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MDDQNKNLILATGLSFLVIMVWFFLFPPPEAVTEGEPTVATQQTAVAPSATPDAPTT<br>AVP PDADLPETQRVIDTPRLQGSISMLGGRLDDLSLSYHETLDPQSQIVRLLSPV<br>GQPNAY YALYGWTPAGALGYEDVPGANTTWTQVGSGALGVDQPVTLQWDNGKG<br>LVFTRTISVDDHY MFSVAQTVENNSGQAVQLAPYGIVARHGKPLNLQNFFVLHEGV<br>VGRADGKLTETKYDKVA ELPQVAREGAQAEVIDAQQDGWIGFTDKYWMTTLIPQQ<br>GQPFTSVTKYVPGADIYQAETR EQLVTVPAGATAEVSSRLFAGAKEWETIRAYQNE<br>GATEPTEGAEPIPGFIDSIDGWFFF LTKPIFTVLHNLNHNHGMGLAIIALTFLKAL<br>VLPLAYKSYVSMARMKELQPELEALRE RAGDDKMLMQREMMRLYKEKQVNPAAG<br>CLPILIQIPIFFSLYKVIFVTIELRHAPFFGWL KDLSAPDPSSIFNFFGLAPWAAPTGT<br>TMALIFIGALPILLGVSMWLQKLNPA PGDKAQ AMIFAWMPWVFMFMLGHFASGLV<br>LYWIVNNLITFTQQYVIMRSHGHHPDIFGNIKASF SR KPAAQPAGKAANDGAAPAKK |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | RKP                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                              |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

## GENE INFORMATION

|                   |                                                                                                                            |
|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>  | yidC                                                                                                                       |
| <b>Synonyms</b>   | yidC; RHOS4_26800; RSP_1064; Membrane protein insertase YidC; Foldase YidC; Membrane integrase YidC; Membrane protein YidC |
| <b>UniProt ID</b> | <a href="#">Q3IYY6</a>                                                                                                     |

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