

# Recombinant Full Length Membrane Protein Insertase Yidc 1(Yidc1) Protein, His-Tagged

**Cat. No.** RFL14655SF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Membrane protein insertase YidC 1(yidC1) Protein (Q8E6W4) (21-271aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                    |
| <b>Species</b>          | Streptococcus agalactiae                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Full Length (21-271)                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | CGRGEVSSH SATLWEQIVYAFAKSIQWLSFNH SIGLG IILFTLIIRAIMMPLYNMQMKS<br>S QKMQEIQPRLKELQKKYPGKDPDSRLKLNDEM QSMYKAEGVNPYASVLP LLIQLP<br>VLWAL FQALTRVSFLKVGTFLSLELSQPD PYYILPVLAALFTFLSTWLTNKA AVEKNI<br>ALTLMTY VMPFIILVTSFN FASGVVLYWTVSNAFQVFQILLNNPYKIIKVREEAVRVA<br>HEKEQ RVK RAKRKASKKRK |
| <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.                                                                                                                                                                          |

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|                       |                                             |
|-----------------------|---------------------------------------------|
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
|-----------------------|---------------------------------------------|

**Reconstitution**

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****Gene Name**

yidC1

**Synonyms**

yidC1; gbs0444; Membrane protein insertase YidC 1; Foldase YidC 1; Membrane integrase YidC 1; Membrane protein YidC 1

**UniProt ID**[Q8E6W4](#)

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