

# Recombinant Full Length *Shewanella Oneidensis* Membrane Protein Insertase Yidc(Yidc) Protein, His-Tagged

Cat. No. RFL11935SF Lot. No. (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length <i>Shewanella oneidensis</i> Membrane protein insertase YidC(yidC) Protein (Q8EKT6) (1-541aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .   |
| <b>Species</b>          | <i>Shewanella oneidensis</i>  |
| <b>Source</b>           | <i>E. coli</i>  |
| <b>ProteinLength</b>    | Full Length (1-541)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | <p>MESQRNILLIGLLFVSFLLWQQWQADKAPKPVATESSVVANATTNHSADVPEADTG<br/>           VPAA VAATQNLITVKTDQLDVQINPVGGDIVYAALVSHKLEQGDQPFVLEQTKDF<br/>           TYIAQSG LIGRDGIDSSAKGRAIFAASKTEFTLADGQDSLEVPLTYVAENGVITYTKVF<br/>           VFHRGKFNV NIDYKINNTSAAPLQVQMYGQIKQTIKPSSESSMMMPTYRGAAFSTAS<br/>           VRYEKYNFEDMGK NNLNQPTIGGWAAMLQHYFVSAWIPPATDSNTIFSSVSAGGLA<br/>           NIGFRGAVYDVAPGATQ EISSQFYVGPDKQKALSALSDTLNLVVDYGFLWWLAVPI<br/>           HWLLMFYQSFVGNWGVAILI TLTVRGLLFPLTKAQYTSMAKMRNLQPKLQDLKERF<br/>           GDDRQKMGQAMMELYKKEKVNPMG GCLPILLQMPIFIALYWVLLESFELRHAPFML<br/>           WIHDLVQDPYYILPLLMGVSMFIMQKM QPIAPTMDPMQVKMMQWMPVIFTVFFLW<br/>           FPSGLVLYWLVGNIIVAIQQKIIYAGLEKKGL N</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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| <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. |
| <b>GENE INFORMATION</b> |   |
| <b>Gene Name</b>        | yidC  |
| <b>Synonyms</b>         | yidC; SO_0004; Membrane protein insertase YidC; Foldase YidC; Membrane integrase YidC; Membrane protein YidC  |
| <b>UniProt ID</b>       | <a href="#">Q8EKT6</a>  |

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