

# Recombinant Full Length Rhodopseudomonas Palustris Glucans Biosynthesis Glucosyltransferase H(Opgh) Protein, His-Tagged

**Cat. No.** RFL8572RF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Rhodopseudomonas palustris Glucans biosynthesis glucosyltransferase H(opgH) Protein (B3Q6L4) (1-721aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Rhodopseudomonas palustris                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Full Length (1-721)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MDAVIAPRHEDCRDAERRAEPLPANAPLSMPVQSLLQSPQAAAVRSPAAWRRALIM<br>VATA VLSAAGIYEMYQVLQVGGITVLEGVVLVLFAALFAWVALSFVSALAGFTVLCC<br>GWRDDVG IMPDGSMPAVSSKIAMLLPTYNEDAPVVFARLQATRQSVDETGRGAQF<br>DWFVLSDSTDPS VWIDEERCYAELAATHDRLYYRHRPYNTARKSGNIADWVERFG<br>GAYDFMVILDADSVMTG DVLVRIAAAMETNSDVGLIQTLPVVVQARTLFARVQQFA<br>GSIYGPMIAAGTAWWHGSESN YWGHNAIIRVSAFAGSAGLPTLAGRKPFGEILSH<br>DFVEAALMRRGGWRIHLAPTLRGSY EECPPSLLDFAARDRRWCQGNLQHGKLLTA<br>RGLHWVSRLHFLTIGAYLTAPMWLAFLVA GILISLQAQFVRPEYFPKDFSLFPIWPA<br>QDPVRAAWVFAGTMGLLILPKLLALLLVLIRS QTRRRFGGGLRTFGGVLLLETMISALT<br>APVMMVFQSTAVIEILLGRDAGWQVQHRGDGAIP LREVVRRYALPTALGATMAVGA |

 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

WLVSWPLLLWMTPVIVGLLLAIPVALLTTRVSRSRPLL MTTPEQIDPPAILAQVHALA  
DRLRPANQTTDPLSALCSDRRRLRELHLAALAFHPPRRRGR IDPHLATARVLIDDAES  
YSEAAGWLGPREIRAVLGDRETLQRLKLSGEHAQLAVGSEPS G

**Purity** Greater than 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** 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** opgH

**Synonyms** opgH; Rpal\_3221; Glucans biosynthesis glucosyltransferase H

**UniProt ID** [B3Q6L4](#)

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