

Recombinant Full Length Blue-Light Absorbing Proteorhodopsin Protein, His-Tagged

Cat. No. RFL33409GF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Blue-light absorbing proteorhodopsin Protein (Q9AFF7) (19-251aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Gamma-proteobacterium Hot 75m4
Source	E.coli
ProteinLength	Full Length of Mature Protein (19-251)
Form	Lyophilized powder
AA Sequence	AAGGDLDISDTVGVSFWLVTAGMLAATVFFFVERDQVSAKWKTSLTVSGLITGIAFW HYL YMRGVWIDTGDTPTVFRYIDWLLTVPLQVVEFYLLAACTSVAAASLFKKLLAGSL VMLGA GFAGEAGLAPVLPAFIIGMAGWLYMIYELYMGEKAAVSTASPAVNSAYNA MMMIIVVGW AIYPAGYAAGYLMGGEGVYASNLNLIYNLADFVNKILFGLIWNVAVKE SSNA
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.

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Storage Buffer	Tris/PBS-based buffer, 6% Trehalose, pH 8.0
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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	Blue-light absorbing proteorhodopsin
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Synonyms	Blue-light absorbing proteorhodopsin; BPR
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UniProt ID	Q9AFF7
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