

# Recombinant Full Length Limulus Polyphemus Ocellar Opsin Protein, His-Tagged

**Cat. No.** RFL854LF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Limulus polyphemus Ocellar opsin Protein (P35361) (1-376aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Limulus polyphemus                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Full Length (1-376)                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MANQLSYSSLGWPYQPNASVVDTMPKEMLYMIHEHWYAFPPMNPLWYSILGVAMII<br>LGII CVLGNGMVIYLMMTTKSLRTPTNLLVVNLAFSDFCMMAFMMPTMASNCFAET<br>WILGPFMC EVYGMAGSLFGCASIWSMVMITLDRYNVIVRGMAAAPLTHKKATLLLLF<br>VWIWSGGWTIL PFFGWSRYVPEGNLTCTVDYLT KDWSSASYVIIYGLAVYFLPLIT<br>MIYCYFFIVHVAE HEKQLREQAKKMNVASLRANADQQKQSAECRLAKVAMMTVG<br>LWFMAWTPYLIIAWAGVFS SGTRLTPLATIWGVSFAKANSCYNPIVYGISHPRYKAA<br>LYQRFPSLACGSGESGSDVKSE ASATMTMEEKPKSPEA |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C                                                                                                                                                                                                                                                                                                                                       |

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

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**

Limulus polyphemus Ocellar opsin

**Synonyms**

Ocellar opsin

**UniProt ID**

[P35361](#)

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