

# Recombinant Full Length Tetraodon Nigroviridis Rhodopsin(Rho) Protein, His-Tagged

**Cat. No.** RFL9802TF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Full Length Tetraodon nigroviridis Rhodopsin(rho) Protein (Q9DGG4) (1-353aa), fused to N-terminal His tag, was expressed in E. coli.  |
| <b>Species</b>          | Tetraodon nigroviridis (Spotted green pufferfish) (Chelonodon nigroviridis)   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Full Length (1-353)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MNGTEGPPFFYVPM LN TTGIVRSPYDYPQYYLVNPAAYAALGAYMFL LILLGFPINFLT<br>LY VTIEHKKLRTPLNYILLNLAVANLFMVFGGFTTTMYTSMHGYFVLGRLGCNLEGF<br>FATLG GEIGLWLSLVLAIERWMV VCKPISNFRFGENHAIMGLAFTWIMACACAVPPL<br>VGWSRYIP EGMQCSCGVDYYTRAEGFN NESFVVYMFICHFLIPMAVVFFCYGRLLC<br>AVKEAAAQQES ETTQRAEREVTRMVVIMVVAFLICWLPYAGVAWWIFTHQGSEF<br>GPVFMTIPAFFAKSSSI YNPLIYICMNKQFRHCMITTLCCGKNPFEEEEGASTTSKTE<br>ASSVSSSSVSPA |
| <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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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**

rho

**Synonyms**

rho; rhod; GSTENG00033246001; Rhodopsin

**UniProt ID**

[Q9DGG4](#)

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