

# Recombinant Full Length Carassius Auratus Green-Sensitive Opsin-2 Protein, His-Tagged

**Cat. No.** RFL26505CF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Carassius auratus Green-sensitive opsin-2 Protein (P32312) (1-349aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                        |
| <b>Species</b>          | Carassius auratus (Goldfish)                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Full Length (1-349)                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MNGTEGNNFYVPLSNRTGLVRSPFEYPQYYLAEPWQFKLLAVYMFFLICLGLPINGL<br>TLI CTAQHKKLRQPLNFILVNLAVAGAIMVCFGFTVTFYTAINGYFALGPTGCAVEGF<br>MATLG GEVALWSLVVLAIERIYIVVCKPMGSFKFSSTHASAGIAFTWVMAMACAAPP<br>LVGWSRYIP EGIQCSCGPDYYTLNPEYNNESYVLYMFICHFILPVTIIFFTYGRLVCTV<br>KAAAAQQQDS ASTQKAEREVTKMVILMVLGFLVAWTPYATVAAWIFFNKGAAFSQA<br>FMAIPAFFSKTSAL YNPVIYVLLNKQFRSCMLTTLFCGKNPLGDEESSTVSTSKTEVS<br>SVSPA |
| <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                                                                                                                                                                                                                                                                                                             |

 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

|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 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. |

## GENE INFORMATION

|                   |                                                             |
|-------------------|-------------------------------------------------------------|
| <b>Gene Name</b>  | Carassius auratus Green-sensitive opsin-2                   |
| <b>Synonyms</b>   | Green-sensitive opsin-2; Green cone photoreceptor pigment 2 |
| <b>UniProt ID</b> | <a href="#">P32312</a>                                      |

 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