

# Recombinant Salmo salar (Atlantic salmon) Vertebrate ancient opsin Transmembrane protein, His-SUMO-tagged

**Cat. No.** Vertebrate ancient opsin-295S    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Salmo salar (Atlantic salmon) Vertebrate ancient opsin protein(O13018)(1-75aa), fused with N-terminal His-SUMO tag, was expressed in in vitro E. coli expression system.                                                  |
| <b>Species</b>          | Salmo salar (Atlantic salmon)                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-75aa                                                                                                                                                                                                                                |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 24.5kDa                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MDTLRIAVNGVSYNEASEIYKPHADPFTGPITNLAPWNFAVLATLMFVITSLSLFENFT<br>VMLATYKFKQLRQPLN                                                                                                                                                       |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |

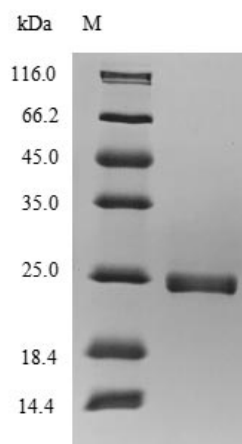
 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**Reconstitution**

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.

**SDS-PAGE**

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