

# Recombinant Full Length Vibrio Cholerae Serotype O1 Cai-1 Autoinducer Sensor Kinase/Phosphatase Cqss(Cqss) Protein, His-Tagged

**Cat. No.** RFL5505VF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Vibrio cholerae serotype O1 CAI-1 autoinducer sensor kinase/phosphatase CqsS(cqsS) Protein (Q9KM66) (1-686aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Vibrio cholerae serotype O1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | Full Length (1-686)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MIVSMDVIKRVYQYAEPNLSLVGWMGMLGFPAYYFIWEYWFPQSYENLGLRCAA<br>AVLFGG LVFRDSMPKKWQRYMPGYFLTIGFCLPFFFAFMMLMNDWSTIWAMSFMA<br>SIFLHILLVH DTRVMALQALFSVLVAYLAVYGLTDFHPTTLIEWQYIPIFLFTYVFGNLCF<br>FRNQISHET KVSIAKTFGAGIAHEMRNPLSALKTSIDVVRTMIPKPQTAAHTDYSLDA<br>QELDLLHQILN EADDVIYSGNNAIDLLTSIDENRVSPASFKKHSVVDVIEKAVKTFPY<br>KNAADQHSVELE VHQPFDFFGSDTLLTYALFNLLKNAFYQKEHFSVCISIEQTSEH<br>NLIRVRDNGVGIAPE MLEDIFRDFYTFGKNGSYGLGLPFCRKVMSAFGGTIRCASQ<br>QGQWTEFVLSFPRYDSDTV NEIKTELLKTKSLIYIGSNQAIVRELNQLAVEDEFGFTAI<br>SAQQAVRRQDYEFEDLILL DLDDATAQGELLPKLEGTL SFAEGCIGYVYDPGKTYA<br>VNINRYLRIQPISIHSLRKPRK IIERLLFEQESLSMNRNVIPLQKSRHERRILVDDNQ |

 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

|                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | SIRFTAILLEQQGYEVVQANDG SEVLKHMESQNIDLVLMDIEMPVGGLEATRLIRN<br>SEHEYKNIPGIIGYTGDNSPKTLALV QTSGMNDFIVKPADRDVLLNKVAAWV                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | cqsS                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>         | cqsS; VC_A0522; CAI-1 autoinducer sensor kinase/phosphatase CqsS; Cholerae quorum-sensing sensor                                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>       | <a href="#">Q9KM66</a>                                                                                                                                                                                                                                                                                                                                                                                      |