

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

Product Overview	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.
Species	Vibrio cholerae serotype O1
Source	E.coli
ProteinLength	Full Length (1-686)
Form	Lyophilized powder
AA Sequence	MIVSMDVIKRVYQYAEPNLSLVGWMGMLGFPAYYFIWEYWFPQSYENLGLRCAA AVLFGGLVFRDSMPKKWQRYMPGYFLTIGFCLPFFFAFMMLMNDWSTIWAMSFMA SIFLHILLVH DTRVMALQALFSVLVAYLAVYGLTDFHPTTLIEWQYIPIFLFTYVFGNLCF FRNQISHET KVSIAKTFGAGIAHEMRNPLSALKTSIDVVRTMIPKPQTAAHTDYSLDA QELDLLHQILN EADDVIYSGNNAIDLLTSIDENRVSPASFKKHSVVDVIEKAVKTFPY KNAADQHSVELE VHQPFDFFGSDTLLTYALFNLLKNAFYQKEHFSVCISIEQTSEH NLIRVRDNGVGIAPE MLEDIFRDFYTFGKNGSYGLGLPFCRKVMSAFGGTIRCASQ QGQWTEFVLSFPRYDSDTV NEIKTELLKTKSLIYIGSNQAIVRELNQLAVEDEFGFTAI SAQQAVRRQDYEFEDLILL DLDDATAQGELLPKLEGTL SFAEGCIGYVYDPGKTYA VNINRYLRIQPISIHSLRKPRK IIERLLFEQESLSMNRNVIPLQKSRHERRILVDDNQ

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	SIRFTAILLEQQGYEVVQANDG SEVLKHMESQNIDLVLMDIEMPVGGLEATRLIRN SEHEYKNIPIGYTGDNSPKTLALV QTSGMNDFIVKPADRDVLLNKVAAWV
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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	cqsS
Synonyms	cqsS; VC_A0522; CAI-1 autoinducer sensor kinase/phosphatase CqsS; Cholerae quorum-sensing sensor
UniProt ID	Q9KM66