

# Recombinant Full Length Staphylococcus Aureus Sensor Histidine Kinase Gras(Gras) Protein, His-Tagged

**Cat. No.** RFL20277SF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Staphylococcus aureus Sensor histidine kinase graS(graS) Protein (A7WZC5) (1-346aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                           |
| <b>Species</b>          | Staphylococcus aureus                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Full Length (1-346)                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | <p>MNNLKWVAYFLKSRMNWIFWILFLNLLMLGISLIDYDFPIDSLFYIVSLNLSLTMIFLIL T</p> <p>YFKEVKLYKHFDKDKEIEEIKHKDLAETPFQRHTVDYLYRQISAHKEKVVEQQLQLNM</p> <p>H EQTITEFVHDIKTPVTAMKLLIDQEKNQERKQALLYEWSRINSMLDTQLYITRLESQ</p> <p>RKD MYFDYVSLKRMVIDEIQLTRHISQVKGIGFDVDFKVDDYVYTDTKWCRMIRQIL</p> <p>SNALK YSENFNIEIGTELNDQHVSLEYKDYGRGISKKDMPRIFERGFTSTANRNETTS</p> <p>SGMGLYL VNSVKDQLGIHLQVTSTVGKGTTVRLIFPLQNEIVERMSEVTNLSF</p> |
| <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                                                                                                                                                                                                                                                                                                                             |

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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**

graS

**Synonyms**

graS; SAHV\_0657; Sensor protein kinase GraS; Glycopeptide resistance-associated protein S

**UniProt ID**

[A7WZC5](#)

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