

## Recombinant Streptococcus pyogenes serotype M5 emm5 protein, His&Myc-tagged

**Cat. No.** emm5-4101S    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Streptococcus pyogenes serotype M5 emm5 protein(P02977)(43-461aa), fused to N-terminal His tag and C-terminal Myc tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Streptococcus pyogenes serotype M5                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 43-461aa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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>   | 52.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | AVTRGTINDPQRAKEALDKYELENHDLKTKNEGLKTENEGLKTENEGLKTENEGLKT<br>EKKEHEAENDKLKQQRDTLSTQKETLEREVQNTQYNNETLKIKNGDLTKELNKTRQ<br>ELANKQQESKENEKALNELLEKTVKD KIAKEQENKETIGTLKKILDET VKDKIAKEQEN<br>KETIGTLKKILDET VKDKLAKEQKSKQNIGALKQELAKKDEANKISDASRKGLRRDL<br>ASREAKKQLEAEHQKLEEQNKISEASRKGLRRDLASREAKKQLEAEQQKLEEQNKI<br>SEASRKGLRRDLASREAKKQVEKALEEANSKLALEKLNKELEESKKLTEKEKAEL<br>QAKLEAEAKALKEQLAKQAEELAKLRAGKASDSQTPDTKPGNKAVPGKGQAPQAG<br>TKPNQNKAPMKETKRQLPST |

 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

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.                                                                                                                                                |
| <b>Reconstitution</b> | 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%. |

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