

## Recombinant Streptococcus pyogenes serotype M1 scpA protein, N/A-tagged

Cat. No. scpA-5775S    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Streptococcus pyogenes serotype M1 scpA protein(P58099)(99-581aa) was expressed in E.coli.                                                                                                                                                                                                             |
| Species          | Streptococcus pyogenes serotype M1                                                                                                                                                                                                                                                                                 |
| Source           | E.coli                                                                                                                                                                                                                                                                                                             |
| ProteinLength    | 99-581aa                                                                                                                                                                                                                                                                                                           |
| Form             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| Molecular Mass   | 52.3 kDa                                                                                                                                                                                                                                                                                                           |
| Purity           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| Storage          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| 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. |

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# AA Sequence

KATIRDLNDPSQVKTQLQEKAGKGAGTVVAVIDAGFDKNHEAWRLTDKTKARYQSKE  
DLEKAKKEHGITYGEWVNDKVAYYHDYSKDGKTAVDQEHGTHVSGILSGNAPSETK  
EPYRLEGAMPEAQLLLMRVEIVNGLADYARNYAQAIIIDAVNLGAKVINMSFGNAALAY  
ANLPDETKKAFDYAKSKGVSIVTSAGNDSSFGGKTRLPLADHPDYGVVGTPAAADS  
TLTVASYSPDKQLTETATVKTADQQDKEMPVLSTNRFEPNKAYDYAYANRGMKEDD  
FKDVKGKIALIERGDIDFKDKIANAKKAGAVGVLIYDNQDKGFPIELPNVDQMPAAFIS  
RKDGLLLKENPQKTITFNATPKVLPTASGTKLSRFSSWGLTADGNIKPDIAAPGQDIL  
SSVANNKYAKLSGTSMAPLVAGIMGLLQKQYETQYPDMTPSERLDLAKKVLMSA  
TALYDEDEKAYFSPRQQGAGAVDAKKAS

# SDS-PAGE

