

Recombinant Staphylococcus aureus srtA protein, His-tagged

Cat. No. srtA-158S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Staphylococcus aureus srtA(26–206 aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Staphylococcus aureus
Source	E.coli
ProteinLength	26-206 a.a.
Description	Staphylococcal Sortase A is a bacterial transpeptidase that covalently attaches proteins to the bacterial cell wall by cleaving between threonine and glycine at an LPXTG recognition motif and catalyzes the formation of an amide bond between the carboxyl-group of threonine and the amino-group of the cell-wall peptidoglycan. This chemistry has been exploited as a molecular "stapler" to site-specifically link proteins with the C-terminal LPETGX motif to other proteins or molecules possessing a glycine or aminomethylene motif. This reaction is applicable to proteins in solution and on the living cell surface.
Form	40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 8 mM imidazole, 0.04% Tween-20, and 20% glycerol
Molecular Mass	27.1 kDa
Purity	Greater than 87%

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Applications Suitable for use with in vitro protein ligation reactions.

Storage >6 months at -80 centigrade. Avoid freeze/thaw cycles.

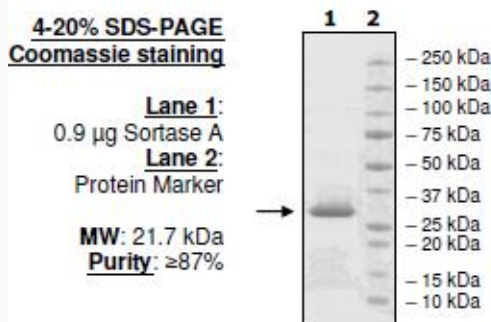
GENE INFORMATION

Gene Name AT695_RS04660 class A sortase SrtA [*Staphylococcus aureus*]

Official Symbol *srtA*

Synonyms class A sortase SrtA

Gene ID 28379844



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