

PRODUCT INFORMATION

Target	sortase A
Synonyms	srtA; Surface protein sorting A; SrtA 5M
Description	Recombinant Staphylococcus aureus sortase A 5M Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q2FV99
Expression Host	E. coli
Tag	C-6×His tag
Molecular Characterization	sortase A(Gln60-Lys206) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 17.7 kDa after removal of the signal peptide. The apparent molecular mass of sortase A 5M-His is approximately 15-25 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from Tris Buffer, pH 8.0. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Staphylococcal Sortase A is a bacterial transpeptidase that covalently links 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 can be exploited to site-specifically link proteins/peptides with the C-terminal LPETGX motif to other proteins or molecules possessing a glycine or aminomethylene motif.
Usage	Research use only
Conjugate	Unconjugated



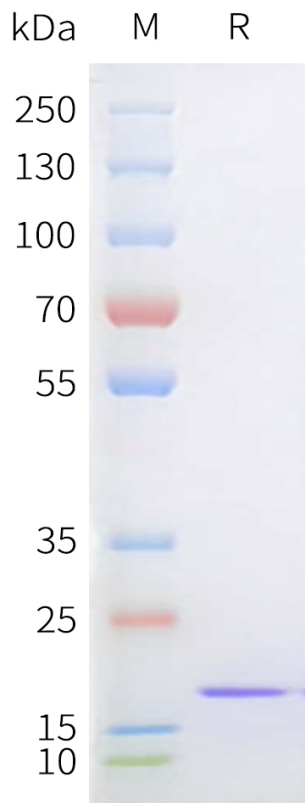


Figure 1. Staphylococcus aureus sortase A 5M Protein, His Tag on SDS-PAGE under reducing condition.

