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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

Sortase A, His-tag

S. aureus, recombinant, N-terminal His-Tag

Catalog #: 71086

Lot #: 150327 **Conc.:** 0.25 mg/ml

Formulated in: 40 mM Tris-HCl pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween-20 and 20% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

Reference(s):

1. Mazmanian, S.K., *et al.*, *Science*. 1999 Jul 30;**285(5428)**:760-3.
2. Kappel, K., *et al.*, *Protein Sci*. 2012 Dec;**21(12)**:1858-71.

Description: *Staphylococcus aureus* sortase A amino-acids 26 – 206 (end) (GenBank Accession No. AF162687) with N-terminal His tag, MW = 21.7 kDa, expressed in an *E. coli* expression system.

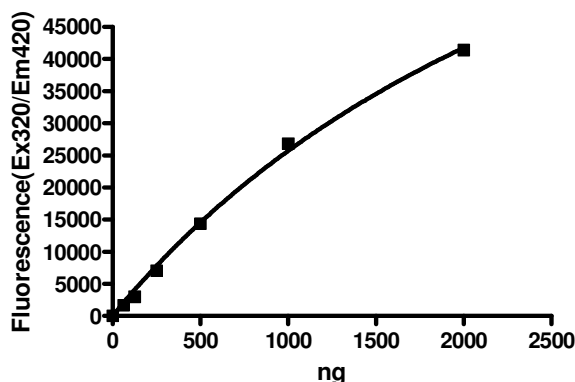
Assay Conditions: Assay was done in the reaction buffer (50 μl) containing 50 mM HEPES (pH=7.4), 150 mM NaCl, 5 mM CaCl_2 , 5 mM $(\text{Gly})_3$, 25 mM Abz/Dnp substrate, and Sortase A for 30 min at 30°C . Fluorescence intensity was measured at Ex320nm/Em420nm.

Application: Suitable for use with *in vitro* protein ligation reactions.

Quality Assurance

Activity Test

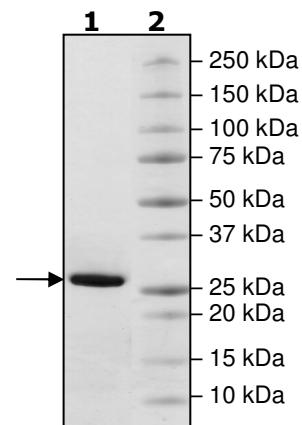
Sortase A



**4-20% SDS-PAGE
Coomassie staining**

Lane 1:
2 μg Sortase A
Lane 2:
Protein Marker

MW: 21.7 kDa
Purity: $\geq 90\%$



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Sequence:

MHHHHHKPHIDNYLHDKDKDEKIEQYDKNVKEQASKDKKQQAQKQIPKDKSKVAG
YIEIPDADIKEPVYPGPATPEQLNRGVSF AEENESLDDQNSIAGHTFIDRPNYQFTNLK
AAKKGSMVYFKVGNETRKYKMTSIRDVKPTDVGVLDEQKGKDKQLTLITCDDYNEKT
GVWEKRKIFVATEVK

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