

Bacterial Sortase Substrate I, FRET DABCYL - LPETG - EDANS

Product Code: 3132-0100

**Innopep
Peptide
Product**

Price: \$201.00

Short Description

DABCYL-LPETG-EDANS

Description

Overview

Description

This 5-amino acid peptide is a sortase substrate, C-terminal sorting signal. Sortase cleaves surface proteins at the LPXTG motif and catalyzes the formation of an amide bond between the carboxyl group of threonine and the amino group of cell-wall crossbridges. Sortases are a family of Gram-positive transpeptidases responsible for anchoring surface protein virulence factors to the peptidoglycan cell wall layer. Cleavage of this FRET substrate by sortase reveals the fluorescent signal, Abs/Em = 340/490 nm.

Sequence

DABCYL-LPETG-EDANS

Sequence (3 Letter)

DABCYL - Leu - Pro - Glu - Thr - Gly - EDANS

Molecular Weight

1015.2

Properties

Purity

% Peak Area By HPLC ? 95%

Storage

-20 °C

References

Mazmanian, S. et al. PNAS 99, 2293 (2002); Ilanov, U. et al. PNAS 98, 6056 (2001), Ton-That, H. et al. PNAS 96, 12424 (1999); W. Navarre and O. Schneewind Microbiol. Mol. Biol. Rev. 63, 174 (1999).