

EGF Receptor Substrate 2 [DADE - pY - LIPQQG], Biotinylated Biotin - DADE - pY - LIPQQG

Product Code: 3085-0100

**Innopep
Peptide
Product**

Price: \$172.00

Short Description

Biotin-DADE-pY-LIPQQG

Description

Overview

Description

The unlabeled phosphopeptide is an excellent substrate for mammalian protein tyrosine phosphatase 1B ($K_m = 3.9 \mu M$) and Yersinia PTP. The sequence is derived from an autophosphorylation site (Tyr992) of EGFR. The unlabeled peptide is used to assay PTB based on marked fluorescence increase upon the removal of the phosphate group ($E_m = 305 \text{ nm}$ and $E_x = 282 \text{ nm}$).

Sequence

Biotin-DADE-pY-LIPQQG

Sequence (3 Letter)

Biotin - Asp - Ala - Asp - Glu - pTyr - Leu - Ile - Pro - Gln
- Gln - Gly - OH

Molecular Weight

1554.7

Properties

Purity

% Peak Area By HPLC ? 95%

Storage

-20 °C

References

Ref: Ukkola, O. and MJ. Santaniemi, Intern. Med. 251, 467 (2002); Sarmiento, M.

et al. J. Biol. Chem. 273, 26368 (1998); Zhang, ZY. et al. Anal. Biochem. 211, 7 (1993).