

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



PLC β 3 (D1099) Peptide

Cat No.: BS1708P

Background

A total of eight mammalian PLC isozymes have been described (PLC β 1, PLC β 2, PLC β 3, PLC β 4, PLC γ 1, PLC γ 2, PLC δ 1 and PLC δ 2) with molecular weights ranging from 85 to 150 kDa. The γ -type enzymes are unique in that they contain SH2 and SH3 domains. Moreover, the two γ -type enzymes, but not the β and δ isozymes, are subject to activation by a number of protein tyrosine kinases which associate with their SH2 domains and induce their activation by phosphorylation. In contrast, activation of PLC β 1, PLC β 2 and PLC β 3 is mediated by the α subunits of the Gq class of heterotrimeric G proteins and by certain $\beta\gamma$ G protein subunits. The regulatory mechanisms for PLC δ 1 and PLC δ 2 are as yet not resolved.

Swiss-Prot

Q01970

Applications

Blocking

Specificity

This peptide can be used with studies using BS1708 PLC β 3 (D1099) pAb.

Purification & Purity

Synthetic peptide PLC β 3 (D1099). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.