

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GRP1 (K400) Peptide

Cat No.: BS2942P

Background

GRP1 (general receptor for phosphoinositides-1) contains a Pleckstrin homology (PH) domain as well as a Sec7 domain. The PH domain has high binding affinity for phosphatidylinositol 3,4,5-trisphosphate PtdIns(3,4,5)P₃, while the Sec7 homology domain is responsible for catalyzing guanine nucleotide exchange of ADP-ribosylation factor (ARF) proteins. GRP1 co-localizes with ARF6 and catalyzes GTP/GDP exchange on ARF6. It is known to interact with PtdIns(3,4,5)P₃ localized to the plasma membrane in vitro and may also be a PtdIns(3,4,5)P₃ receptor. Additionally, GRP1 may regulate protein sorting and membrane trafficking through interaction with the guanosine triphosphate ARF, and may control cell adhesion through interaction with integrins.

Swiss-Prot

O43739

Applications

Blocking

Specificity

This peptide can be used with studies using BS2942 GRP1 (K400) pAb.

Purification & Purity

Synthetic peptide GRP1 (K400). (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.