



OGR1/GPR68 Control Lysate

BACKGROUND

OGR1 (originally identified as GPR68) is a high-affinity receptor for sphingosylphosphorylcholine (SPC). SPC is a member of a class of bioactive lipids which regulate cellular functions. These functions include cell proliferation and growth inhibition, smooth muscle contraction and wound healing. SPC also stimulated signalling pathways that induce tyrosine phosphorylation, activate MAP kinases and protein kinase C, modify ion channel activity and increase intracellular Ca^{2+} concentration. OGR1 is expressed in placenta, lung, liver, spleen, testis, small intestine and peripheral blood leukocytes. It is not found in thymus, ovary, colon, skeletal muscle, kidney or pancreas.

ORDERING INFORMATION

CATALOG NUMBER

X1601C

SIZE

100 μ l

CUSTOMER STORAGE

Product should be stored at -20°C .
Aliquot to avoid freeze/thaw cycles

FORMULATION

Provided in 10% glycerol, 0.063 M Tris-HCl (pH 6.8), 2% SDS and 0.002% bromophenol blue, 5% 2-mercaptoethanol

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STABILITY

Products are stable for one year from purchase when stored properly

COMMENTS

For use as a positive control with Exalpha's OGR1 polyclonal antibody (Cat. No. X1600P) for Western blot analysis.

INSTRUCTIONS

Use 10 μ l of OGR1 cell lysate (Cat. No. X1601C) per lane as a control for using OGR1 antibody (Cat. No. X1600P). When used with Exalpha antibody, detects OGR1 protein at 34 kDa using standard chemiluminescent detection methods.