

Lysophosphatidic Acid Receptor 3 (EDG-7) Control Lysate

BACKGROUND

Endothelial Cell Differentiation Gene-7 (EDG7) belongs to a family of G-protein coupled receptors whose ligands are lysophospholipids. The ligand for EDG7 is lysophospholipid. There are 8 known members of the EDG receptor family and they are implicated in mediating growth related effects such as induction of cellular proliferation, alterations in differentiation and survival and suppression of apoptosis. They also evoke cellular effector functions that are dependent on cytoskeletal responses such as contraction, secretion, adhesion and chemotaxis. EDG receptors are developmentally regulated and differ in tissue distribution. They couple to multiple types of G proteins to signal through ras and MAP kinase, rho, phospholipase C and several protein tyrosine kinases. EDG7 is expressed in prostate as well as other tissues.

ORDERING INFORMATION

CATALOG NUMBER

X1220C

SIZE100 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 Exalpa's EDG7 monoclonal antibody (Cat. No. X1183P) for Western blot analysis.

INSTRUCTIONS

Use 10 μ l of EDG7 cell lysate (Cat. No. X1220C) per lane as a control for using EDG7 antibody (Cat. No. X1183P). When used with Exalpa antibody, detects EDG7 protein at 40 kDa using standard chemiluminescent detection methods. Due to low expression of EDG receptors, we recommend use of Pierce Femto Signal substrate for western blot development.