

Recombinant Human FIG4 293 Cell Lysate

Cat. No. FIG4-6218HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for FIG4 homolog, SAC1 lipid phosphatase domain containing (S. cerevisiae) (FIG4) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

FIG4?FIG4 phosphoinositide 5-phosphatase [?Homo sapiens?(human)]

Official Symbol

FIG4

Synonyms

FIG4; FIG4 phosphoinositide 5-phosphatase; YVS; SAC3; ALS11; CMT4J; KIAA0274; dJ249I4.1; polyphosphoinositide phosphatase; SAC domain-containing protein 3; Sac domain-containing inositol phosphatase 3; phosphatidylinositol 3,5-bisphosphate 5-phosphatase; FIG4 homolog, SAC domain containing lipid phosphatase; FIG4 homolog, SAC1 domain containing lipid phosphatase; FIG4 homolog, SAC1 lipid phosphatase domain containing

Gene ID

9896

mRNA Refseq

NM_014845

Protein Refseq

NP_055660

MIM

609390

UniProt ID

Q92562

Chromosome Location

6q21

Pathway

3-phosphoinositide biosynthesis, organism-specific biosystem; Metabolism, organism-

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specific biosystem; Phospholipid metabolism, organism-specific biosystem; Synthesis of PIPs at the early endosome membrane, organism-specific biosystem

Function

phosphatidylinositol-3,5-bisphosphate 5-phosphatase activity; phosphatidylinositol-3-phosphatase activity; phosphatidylinositol-4-phosphate phosphatase activity

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