

Recombinant Human PPEF1 293 Cell Lysate

Cat. No. PPEF1-2980HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase, EF-hand calcium binding domain 1 (PPEF1), transcript variant 1 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

PPEF1 protein phosphatase, EF-hand calcium binding domain 1 [Homo sapiens]

Official Symbol

PPEF1

Synonyms

PPEF1; protein phosphatase, EF-hand calcium binding domain 1; PPEF; serine/threonine-protein phosphatase with EF-hands 1; PPP7CA; protein phosphatase 7; catalytic subunit; alpha isozyme; serine/threonine protein phosphatase 7; serine/threonine-protein phosphatase 7; protein phosphatase with EF calcium-binding domain; protein phosphatase 7, catalytic subunit, alpha isozyme; protein phosphatase, serine/threonine type, with EF-hands; PP7; PPP7C;

Gene ID

5475

mRNA Refseq

NM_006240

Protein Refseq

NP_006231

MIM

300109

UniProt ID

O14829

Chromosome Location

Xp22

Function

calcium ion binding; hydrolase activity; iron ion binding; manganese ion binding;

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protein binding; protein serine/threonine phosphatase activity;

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