

Recombinant Human PEX12 293 Cell Lysate

Cat. No. PEX12-3293HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for peroxisomal biogenesis factor 12 (PEX12) 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.

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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	PEX12 peroxisomal biogenesis factor 12 [Homo sapiens]
Official Symbol	PEX12
Synonyms	PEX12; peroxisomal biogenesis factor 12; peroxisome assembly protein 12; peroxin 12; peroxin-12; peroxisome assembly factor 3; PAF-3;
Gene ID	5193
mRNA Refseq	NM_000286
Protein Refseq	NP_000277
UniProt ID	O00623
Chromosome Location	17q21.1
Pathway	Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	metal ion binding; protein C-terminus binding; protein binding; zinc ion binding;

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