

Recombinant Human PEX5 293 Cell Lysate

Cat. No. PEX5-3285HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for peroxisomal biogenesis factor 5 (PEX5), transcript variant 2 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

PEX5 peroxisomal biogenesis factor 5 [Homo sapiens]

Official Symbol

PEX5

Synonyms

PEX5; peroxisomal biogenesis factor 5; peroxisome receptor 1 , PXR1; PTS1R; peroxin-5; PTS1 receptor; peroxisome receptor 1; peroxisomal targeting signal 1 receptor; peroxisomal targeting signal receptor 1; peroxisomal targeting signal import receptor; peroxisomal targeting signal 1 (SKL type) receptor; peroxisomal C-terminal targeting signal import receptor; PXR1; PTS1-BP; FLJ50634; FLJ50721; FLJ51948;

Gene ID

5830

mRNA Refseq

NM_000319

Protein Refseq

NP_000310

MIM

600414

UniProt ID

P50542

**Chromosome
Location**

12p

Pathway

Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;

 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

Function

peroxisome matrix targeting signal-1 binding; peroxisome matrix targeting signal-1 binding; protein C-terminus binding; protein N-terminus binding; protein binding;

 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