

Recombinant Human PEX14 Protein, His-tagged

Cat. No. PEX14-2578H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PEX14 Protein (Thr31-Asp377) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr31-Asp377
Description	This gene encodes an essential component of the peroxisomal import machinery. The protein is integrated into peroxisome membranes with its C-terminus exposed to the cytosol, and interacts with the cytosolic receptor for proteins containing a PTS1 peroxisomal targeting signal. The protein also functions as a transcriptional corepressor and interacts with a histone deacetylase. A mutation in this gene results in one form of Zellweger syndrome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.8 kDa Accurate Molecular Mass: 60 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

 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	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PEX14 peroxisomal biogenesis factor 14 [Homo sapiens (human)]
Official Symbol	PEX14
Synonyms	PEX14; peroxisomal biogenesis factor 14; peroxisomal membrane protein PEX14; peroxin-14; PTS1 receptor docking protein; PTS1 receptor-docking protein; NF-E2 associated polypeptide 2; peroxisomal membrane anchor protein PEX14; peroxisomal membrane anchor protein Pex14p; NAPP2; Pex14p; dJ734G22.2; MGC12767;
Gene ID	5195
mRNA Refseq	NM_004565

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Protein Refseq NP_004556

MIM 601791

UniProt ID O75381



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