

Recombinant Human PEX7, T7-tagged

Cat. No. PEX7-2963H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PEX7 (1-323 aa) is expressed in <i>E. coli</i> with a T7 tag at N-terminus.
Species	Human
Source	<i>E. coli</i>
Protein Length	1-323 a.a.
Description	This gene encodes the cytosolic receptor for the set of peroxisomal matrix enzymes targeted to the organelle by the peroxisome targeting signal 2 (PTS2). Defects in this gene cause peroxisome biogenesis disorders (PBDs), which are characterized by multiple defects in peroxisome function. There are at least 14 complementation groups for PBDs, with more than one phenotype being observed in cases falling into particular complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene have been associated with PBD complementation group 11 (PBD-CG11) disorders, rhizomelic chondrodysplasia punctata type 1 (RCDP1), and Refsum disease (RD).
MW	35892 Da.
Purity	95%.
Formulation	10 mM Tris. pH 8.0. 0.1% Triton X-100. 0.002% NaN ₃ . 10mM DTT.

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Application MS. SDS.

GENE INFORMATION

Gene Name [PEX7 peroxisomal biogenesis factor 7 \[Homo sapiens \]](#)

Synonyms PEX7; peroxisomal biogenesis factor 7; PTS2 receptor; peroxin-7; peroxisomal PTS2 receptor; peroxisomal targeting signal 2 receptor; peroxisome targeting signal 2 receptor; RP11-55K22.6; PTS2R; RCDP1; RD

Gene ID [5191](#)

mRNA Refseq [NM_000288](#)

Protein Refseq [NP_000279](#)

MIM [601757](#)

UniProt ID [O00628](#)

Chromosome Location 6q23.3

Pathway Peroxisome

Function peroxisome matrix targeting signal-2 binding

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