

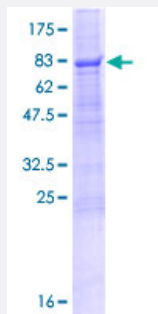
Full-Length

PEX14 (Human) Recombinant Protein (P01)

Catalog # H00005195-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PEX14 full-length ORF (NP_004556.1, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASSEQAQPSQPSSTPGSENVLPREPLIATAVKFLQNSRVQRQSPLATRRRAFLKKKGLTDEEIDM
AFQQSGTAADEPSSLGPATQVVPVQPPHLISQPYPAGSRWRDYGALAIIMAGIAFGFHLYKKYL
LPLILGGREDRKQLERMEAGLSELSGSAQTVTQLQTTLASVQELLIQQQKIQELAHELAAAKAT
TSTNWILESQNINELKSEINSLKGLLLNRRQFPSPSAPKIPSWQIPVKSPSPSSPAAVNHHSSDI
SPVSNESTSSSPGKEGHSPEGSTVTYHLLGPQEEGEGVVDVKGGQVRMEVQGEEEEKREDKEDE
EDEEDDDVSHVDEEDCLGVQREDRRGGDGQINEQVEKLRRPEGASNESERD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.6

Interspecies Antigen Sequence

Mouse (92); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PEX14

Entrez GeneID[5195](#)**GeneBank Accession#**[NM_004565.2](#)**Protein Accession#**[NP_004556.1](#)**Gene Name**

PEX14

Gene Alias

MGC12767, NAPP2, Pex14p, dJ734G22.2

Gene Description

peroxisomal biogenesis factor 14

Omim ID[214100 601791](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

NF-E2 associated polypeptide 2|OTTHUMP00000001902|PTS1 receptor docking protein|peroxisomal membrane anchor protein Pex14p

Publication Reference

- [Insufficiency of ciliary cholesterol in hereditary Zellweger syndrome.](#)

Tatsuo Miyamoto, Kosuke Hosoba, Takeshi Itabashi, Atsuko H Iwane, Silvia Natsuko Akutsu, Hiroshi Ochiai, Yumiko Saito, Takashi Yamamoto, Shinya Matsuura.

The EMBO Journal 2020 Jun; 39(12):e103499.

Application: Pull-Down, Human, hTERT RPE1 cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)