



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### PEX5 (Human) Recombinant Protein (P01)

**Catalog Number:** H00005830-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human PEX5 full-length ORF (AAH10621, 1 a.a. - 631 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAMRELVEAECGGANPLMKLAGHFTQDKALRQEGLR  
PGPWPPGAPASEAASKPLGVASEDELVAEFLQDQNA  
PLVSRAPQTFKMDLLAEMQQIEQSNFRQAPQRAPG  
VADLALSENWAQEFLLAAGDAVDVTQDYNEDWSQEFI  
SEVTDPLSVSPARWAEYEQSEEKWLGEPEGTATD  
RWYDEYHPEEDLQHTASDFVAKVDDPKLANSEFLKFV  
RQIGEGQVSLESGAGSGRAQAEQWAAEFIQQGTSD  
AWVDQFTRPVNTSALDMEFERAKSAIELQAELEEMAK  
RDAEAHPWLSYDDLTSATYDKGYQFEEENPLRDHP  
QPFEGLRRLQEGDLPNAVLLFEAAVQQDPKHMEAW  
QYLGTQAENEQELLAISALRRCLKPDNQTALMALA  
VSFTNESLQRQACETLRDWLRYTPAYAHLVTPAEEGA  
GGAGLGPSKRILGSLSDSLFLEVKELFLAAVRLDPTSI  
DPDVQCGLGVLFNLSGEYDKAVDCFTAALSVRPNDYL  
LWNKLGATLANGNQSEEVAAYRRALELQPGYIRSR  
NLGISCINLGAHREAVEHFLEALNMQRKSRGPRGEGG  
AMSENIWSTLRLALSMLGQSDAYGAADARDLSTLLTM  
FGLPQ

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 95.15

**Interspecies Antigen Sequence:** Mouse (87); Rat (93)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**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.

**Entrez GeneID:** 5830

**Gene Symbol:** PEX5

**Gene Alias:** FLJ50634, FLJ50721, FLJ51948, PTS1-BP, PTS1R, PXR1

**Gene Summary:** The product of this gene binds to the C-terminal PTS1-type tripeptide peroxisomal targeting signal (SKL-type) and plays an essential role in peroxisomal protein import. Peroxisins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. The peroxisomal biogenesis disorders are a heterogeneous group with at least 14 complementation groups and with more than 1 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 are a cause of neonatal adrenoleukodystrophy (NALD), a cause of Zellweger syndrome (ZWS) as well as may be a cause of infantile Refsum disease (IRD). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]