

# Recombinant Human peroxisomal biogenesis factor 26, His-tagged

Cat. No. PEX26-242H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** PEX26, 1-246aa, Human, His tag, E.coli

**Species** Human

**Source** E.coli

**ProteinLength** 1-246 a.a.

### Description

PEX26 belongs to the peroxin-26 gene family. It is probably required for protein import into peroxisomes. It anchors PEX1 and PEX6 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes. Defects in this gene are the cause of peroxisome biogenesis disorder complementation group 8 (PBD-CG8). PBD refers to a group of peroxisomal disorders arising from a failure of protein import into the peroxisomal membrane or matrix. The PBD group is comprised of four disorders: Zellweger syndrome (ZWS), neonatal adrenoleukodystrophy (NALD), infantile Refsum disease (IRD), and classical rhizomelic chondrodysplasia punctata (RCDP). Alternatively spliced transcript variants have been identified for this gene. Recombinant human PEX26 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

### Form

Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

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<b>Molecular Mass</b>	29.3 kDa (269aa), confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMKSDSST SAAPLRGLGG PLRSSEPVRA VPARAPAVDL LEEAADLLVV HLDFAALET CERAWQSLAN HAVAEPPAGT SLEVKCSLCV VGIQALAEMD RWQEVLSWVL QYYQVPEKLP PKVLELCILL YSKMQEPGAV LDVVGAWLQD PANQNLPEYG ALAEFHVQRV LLPLGCLSEA EELVVGSAAF GEERRLDVLQ AIHTARQQQK QEHSQSSEEAQ KPNLEGSVSH KFLSLPMLVR QLWDSAVSH
<b>Purity</b>	>90% by SDS - PAGE
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5 mg/ml (determined by Bradford assay)

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PEX26 peroxisomal biogenesis factor 26 [ Homo sapiens ]</a>
<b>Official Symbol</b>	PEX26
<b>Synonyms</b>	PEX26; peroxisomal biogenesis factor 26; peroxisome biogenesis factor 26; peroxisome assembly protein 26; FLJ20695; peroxin-26; peroxisome biogenesis disorder, complementation group 8; peroxisome biogenesis disorder, complementation group A; PEX26M1T; Pex26pM1T;
<b>Gene ID</b>	<a href="#">55670</a>
<b>mRNA Refseq</b>	<a href="#">NM_001127649</a>


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<b>Protein Refseq</b>	NP_001121121
<b>UniProt ID</b>	Q7Z412
<b>Chromosome Location</b>	22q11.21
<b>Pathway</b>	Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
<b>Function</b>	protein C-terminus binding; protein binding; protein complex binding;

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