

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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Molecular Mass	29.3 kDa (269aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMKSDSST SAAPLRGLGG PLRSSEPVRA VPARAPAVDL LEEAADLLVV HLDFFRAALET CERAWQSLAN HAVAEEPAGT SLEVKCSLCV VGIQALAEMD RWQEVLSWVL QYYQVPEKLP PKVLELCILL YSKMQEPGAV LDVVGAWLQD PANQNLPEYG ALAEFHVQRV LLPLGCLSEA EELVVGSAAF GEERRLDVLQ AIHTARQQQK QEHS GSSEEAQ KPNLEGSVSH KFLSLPMLVR QLWDSAVSH
Purity	>90% by SDS - PAGE
Storage	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.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	PEX26 peroxisomal biogenesis factor 26 [Homo sapiens]
Official Symbol	PEX26
Synonyms	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;
Gene ID	55670
mRNA Refseq	NM_001127649

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

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