# Recombinant human PEX26 protein

Catalog Number: ATGP2196

## PRODUCT INFORMATION

**Expression system**
E.coli

**Domain**
1-246aa

**UniProt No.**
Q7Z412

**NCBI Accession No.**
NP_001121121

**Alternative Names**
Peroxisome assembly protein 26, PBD7A, PBD7B, PEX26M1T, Pex26pM1T

## PRODUCT SPECIFICATION

**Molecular Weight**
29.3 kDa (269aa) confirmed by MALDI-TOF

**Concentration**
0.5mg/ml (determined by Bradford assay)

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

**Purity**
> 90% by SDS-PAGE

**Tag**
His-Tag

**Application**
SDS-PAGE

**Storage Condition**
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

**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),

# Recombinant human PEX26 protein

Catalog Number: ATGP2196

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.

### Amino acid Sequence

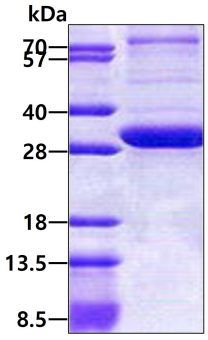
<MGSSHHHHHH SSGLVPRGSH MGS>MKSDSST SAAPLRGLGG PLRSSEPVRA VPARAPAVDL LEEAADLLVV HLDFRAALET CERAWQSLAN HAVAEEPAGT SLEVKCSLCV VGIQALAEMD RWQEVLSWVL QYYQVPEKLP PKVLELCILL YSKMQEPGAV LDVVGAWLQD PANQNLPEYG ALAEFHVQRV LLPLGCLSEA EELVVGSAAF GEERRLDVLQ AIHTARQQQK QEHSGSEEAQ KPNLEGSVSH KFLSLPMLVR QLWDSAVSH

### General References

Matsumoto N., et al. (2003) Nat. Cell Biol. 5:454-460
Matsumoto N., et al. (2003) Am. J. Hum. Genet. 73:233-246

## DATA

### SDS-PAGE




3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.