

## Product datasheet for **RG240056**

### PEX1 (NM\_001282677) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PEX1 (NM_001282677) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PEX1
Synonyms:	HMLR1; PBD1A; PBD1B; ZWS; ZWS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240056 representing NM_001282677. Blue=ORF Red=Cloning site Green=Tag(s)

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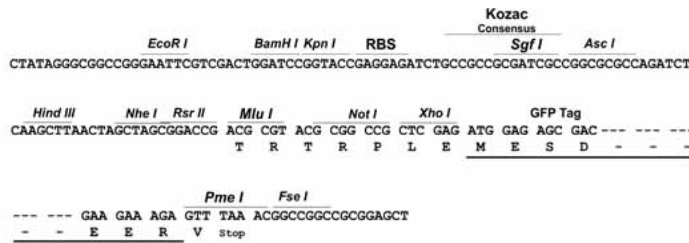
Protein Sequence: >Peptide sequence encoded by RG240056  
 Blue=ORF Red=Cloning site Green=Tag(s)

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Restriction Sites: AscI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:

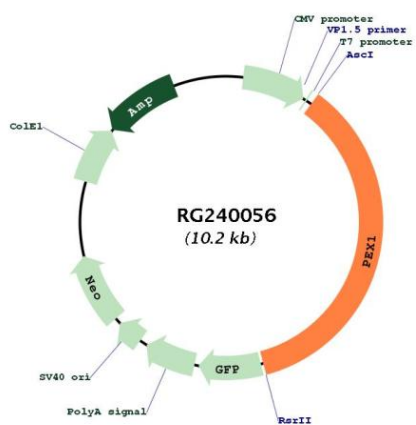


ACCN: NM\_001282677

ORF Size: 3678 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>RefSeq:</b>	<a href="#">NM_001282677.2</a>
<b>RefSeq Size:</b>	4221 bp
<b>RefSeq ORF:</b>	3681 bp
<b>Locus ID:</b>	5189
<b>UniProt ID:</b>	<a href="#">O43933</a>
<b>Cytogenetics:</b>	7q21.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	137 kDa
<b>Gene Summary:</b>	This gene encodes a member of the AAA ATPase family, a large group of ATPases associated with diverse cellular activities. This protein is cytoplasmic but is often anchored to a peroxisomal membrane where it forms a heteromeric complex and plays a role in the import of proteins into peroxisomes and peroxisome biogenesis. Mutations in this gene have been associated with complementation group 1 peroxisomal disorders such as neonatal adrenoleukodystrophy, infantile Refsum disease, and Zellweger syndrome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2013]

## Product images:



Circular map for RG240056