

Product datasheet for RC209140

PEX13 (NM_002618) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX13 (NM_002618) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEX13
Synonyms:	NALD; PBD11A; PBD11B; ZWS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209140 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCCCAGCCGCCACCTCCCCCAAACCCTGGGAGACCCGCCGAATTCGGGAGCCGGACCGGGAC
CAGGACCGGGCCCACTTTCCAATCTGCTGATTTGGTCTACTTTAATGACAAGACCTGGACAACCAGC
ACTTACCAGAGTGCCCCACCTATTCTTCCAAGGCCATCACAGCAGACAGGAAGTAGCAGTGTGAACACT
TTTAGACCTGCTTACAGTTCATTTCTTCTGGATATGGTGCCTATGGAAATTCATTTTATGGAGGCTATA
GTCCTTATAGTTATGGATATAATGGGCTGGCTACAACCGCCTCCGTGTAGATGATCTTCCACCCAGTAG
ATTTGTTCAAGCAAGCTGAAGAAAGCAGCAGGGGTGCATTTTCAGTCCATTGAAAGTATTGTGCATGCATTT
GCCTCTGTCAAGTATGATGATGGATGCTACCTTTTCAGCTGTCTATAACAGTTTCAGGGCTGTATTGGATG
TAGCAATCACTTTTCCCGATTGAAAATACACTTTACAAAAGTGTTCAGCTTTTGCATTTGGTTAGGAC
TATACGGTATCTTTACAGACGGCTACAGCGGATGTTAGGTTTAAAGAGAGGCTCTGAGAATGAAGACCTC
TGGGCAGAGAGTGAAGGAACTGTGGCATGCCTTGGTGTGAGGACCGAGCAGCTACCTCAGCAAAATCTT
GGCAAATATTCTTGTCTTTGCTGTTATCCTTGGTGGTCTTACCTCATTGGAAACTATTGTCTACTCA
CAGTGATGAAGTAACAGACAGCATCAACTGGCAAGTGGTGAAGTACCATGTAGTTGCCAGAGCAGAA
TATGATTTTGTGCGGTATCTGAAGAAGAAATTTCTTTCCGGGCTGGTATGCTGAACCTAGCTCTCA
AAGAACAACAACCCAAAGTGCCTGGTTGGCTTCTGGCTAGCCTTGATGGCCAAACAACAGGACTTATACC
TGCGAATTATGTCAAATTTCTTGGCAAAAAGAAAAGGTAGGAAAACGGTGGAAATCAAGTAAAGTTTCCAAG
CAGCAACAATCTTTACCAACCCAACTAACTAAAGGAGCCACGGTTGCTGATTCTTTGGATGAACAGG
AAGCTGCCTTTGAATCTGTTTTTGTGAACTAAAGTTCCAGTTGCACCTGATTCCATTGGGAAAGA
TGGAGAAAAGCAAGATCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >RC209140 protein sequence
Red=Cloning site Green=Tags(s)

MASQPPPPKWPETRRIPGAGPGPGPTFQSADLGPTLMTRPGQPALTRVPPPILPRPSQQTGSSSVNT
 FRPAYSSFSSGYGAYGNSFYGGYSPYSYGYNGLGYNRLRVDDLPPSRFVQQAEESSRGAFQSIIESIVHAF
 ASVSMMDATFSAVYNSFRAVLVDVANHFSRLKIHFTKVFSAFALVRTIRYLRRQLRMLGLRRGSENE
 WAESEGTVAACGAEDRAATSAKSWPIFLFFAVILGGPYLIWKLSTHSDEVTDTSINWASGEDDHVVARAE
 YDFAAVSEEEISFRAGDMLNLALKEQQPKVRGWLLASLDGQTTGLIPANYVKILGKRKGRKTVESKVK
 QQQSFTNPTLTKGATVADSLDEQEAAFESVFEVETNKVPVAPDSIGKDGEKQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6547_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_002618

ORF Size: 1209 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_002618.4](#)

RefSeq Size: 4524 bp

RefSeq ORF: 1212 bp

Locus ID: 5194

UniProt ID: [Q92968](#)

Cytogenetics: 2p15

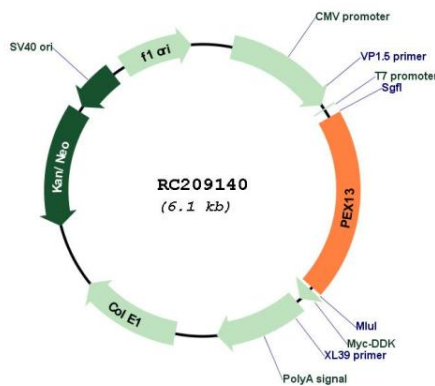
Domains: SH3, Peroxin-13_N

Protein Families: Druggable Genome

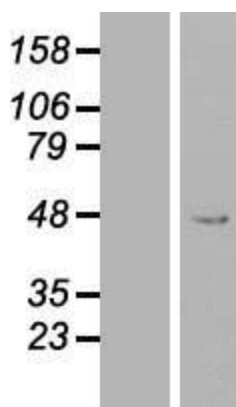
MW: 44.1 kDa

Gene Summary: This gene encodes a peroxisomal membrane protein that binds the type 1 peroxisomal targeting signal receptor via a SH3 domain located in the cytoplasm. Mutations and deficiencies in peroxisomal protein importing and peroxisome assembly lead to peroxisomal biogenesis disorders, an example of which is Zellweger syndrome. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RC209140



Western blot validation of overexpression lysate (Cat# [LY419218]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209140 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).