

Product datasheet for **RG209140**

PEX13 (NM_002618) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEX13 (NM_002618) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PEX13
Synonyms: NALD; PBD11A; PBD11B; ZWS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209140 representing NM_002618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCCCAGCCGCCACCTCCCCCAAACCCTGGGAGACCCGCCGAATTCGGGAGCCGGACCGGGAC
 CAGGACCGGGCCCACTTTCCAATCTGCTGATTTGGTCTACTTTAATGACAAGACCTGGACAACCAGC
 ACTTACCAGAGTGCCCCACCTATTCTTCCAAGGCCATCACAGCAGACAGGAAGTAGCAGTGTGAACACT
 TTTAGACCTGCTTACAGTTCATTTCTTCTGGATATGGTGCCTATGGAAATTCATTTTATGGAGGCTATA
 GTCCTTATAGTTATGGATATAATGGGCTGGCTACAACCGCCTCCGTGTAGATGATCTTCCACCCAGTAG
 ATTTGTTCAAGCTGAAGAAAGCAGCAGGGGTGCATTTTCAGTCCATTGAAAGTATTGTGCATGCATTT
 GCCTCTGTAGTATGATGATGGATGCTACCTTTTCAGCTGTCTATAACAGTTTCAGGGCTGTATTGGATG
 TAGCAATCACTTTTCCGATTGAAAATACACTTTACAAAAGTGTTTTCAGCTTTTGCATTTGGTTAGGAC
 TATACGGTATCTTTACAGACGGCTACAGCGGATGTTAGGTTTAAAGAGAGGCTCTGAGAATGAAGACCTC
 TGGGCAGAGAGTGAAGAACTGTGGCATGCCTTGGTGTGAGGACCGAGCAGCTACCTCAGCAAAATCTT
 GGCCAATATTCTTGTCTTTGCTGTTATCCTTGGTGGTCTTACCTCATTGGAAACTATTGTCTACTCA
 CAGTGATGAAGTAACAGACAGCATCAACTGGGCAAGTGGTGAAGTACCATGTAGTTGCCAGAGCAGAA
 TATGATTTTGTGCGGTATCTGAAGAAGAAATTTCTTTCCGGGCTGGTATGCTGAACCTAGCTCTCA
 AAGAACAACAACCCAAAGTGCCTGGTTGGCTTCTGGCTAGCCTTGTGGCCAAACAACAGGACTTATACC
 TGCGAATTATGTCAAAATCTTGGCAAAAAGAAAAGGTAGGAAAACGGTGGAAATCAAGTAAAGTTTCAAG
 CAGCAACAATCTTTACCAACCAACACTAACTAAAGGAGCCACGGTTGCTGATTCTTTGGATGAACAGG
 AAGCTGCCTTTGAATCTGTTTTTGTGAACTAATAAGTTCCAGTTGCACCTGATTCCATTGGGAAAGA
 TGGAGAAAAGCAAGATCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209140 representing NM_002618
 Red=Cloning site Green=Tags(s)

MASQPPPPPKPWETRRIIPGAGPGPGPTFQSADLGPTLMTRPGQPALTRVPPPILPRPSQQTGSSSVNT
 FRPAYSSFSSGYGAYGNSFYGGYSPYSYGYNGLGYNRLRVDDLPPSRFVQQAESSRGAFQSIIESIVHAF
 ASVSMMDATFSAVYNSFRAVLVDVANHFSRLKIHFTKVFSAFALVRTIRLYRRLQRMLGLRRGSENE
 LWAESEGTVAACLAEDRAATSAKSWPIFLFFAVILGGPYLIWKLLSTHSDEVTD SINWASGEDDHVVARAE
 YDFAAVSEEEISFRAGDMLNLALKEQQPKVIRGWL LSLDGTGLIPANYVKILGKRKGRKTVESKVKSK
 QQQSFTNPTLTKGATVADSLDEQEAAFESV FVETNKVPVAPDSIGKDGEKQDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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: 1752 bp

RefSeq ORF: 1212 bp

Locus ID: 5194

UniProt ID: [Q92968](#)

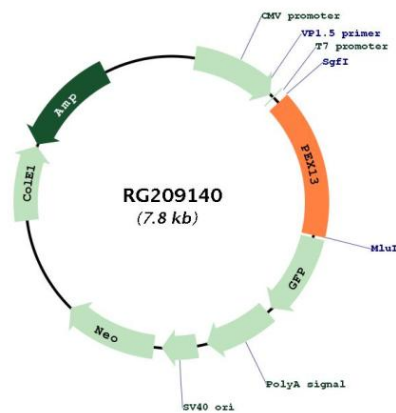
Cytogenetics: 2p15

Domains: SH3, Peroxin-13_N

Protein Families: Druggable Genome

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 RG209140