

Product datasheet for RC231120

PEX19 (NM_001193644) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX19 (NM_001193644) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEX19
Synonyms:	D1S2223E; HK33; PBD12A; PMP1; PMPI; PXF; PXMP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC231120 representing NM_001193644 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGCCGCTGAGGAAGGCTGTAGTGTGGGGCCGAAGCGGACAGGAATTGGAGGAGCTTCTGGAAA
GTGCTCTTGATGATTTTCGATAAAGCCAAACCTCCCCAGCACCCCTTCTACCACCACGGCCCTGATGC
TTCGGGGCCCCAGAAGAGATCGCCAGGAGACACTGCCAAAGATGCCCTCTTCGCTTCCAAGAGAAGTTT
TTCCAGGAAGTATTCGACAGTGAAGTGGCTTCCAAGCCACTGCGGAGTTCGAGAAGGCAATGAAGGAGT
TGGCTGAGGAAGAACCCACCTGGTGGAGCAGTCCAAAAGCTCTCAGAGGCTGCAGGGAGAGTGGGCAG
TGATATGACCTCCAACAAGAATCACTTCTTGCCTAAAGGAAACACTAAGTGGATTAGCCAAAAATGCC
ACTGACCTTCAGAACTCCAGCATGTCGGAAGAAGAGCTGACCAAGGCCATGGAGGGGCTAGGCATGGACG
AAGGGGATGGGAAGGGAACATCCTCCCATCATGCAGAGTATTATGCAGAACCTACTCTCCAAGGATGT
GCTGTACCCATCACTGAAGGAGATCACAGAAAAGTATCCAGAAATGGTTGCAGAGTCATCGGGAATCTCTA
CCTCCAGAGCAGTTTAAAAATATCAGGAGCAGCACAGCGTCATGTGCAAAATATGTGAGCAGTTTGAGG
CAGAGACCCACAGACAGTGAACCACTCAAAGGCTCGTTTTGAGATGGTGTGGATCTTATGCAGCA
GCTACAAGATTTAGGCCATCTCCAAAAGAGCTGGCTGGAGAGATGGTGCCAGTGGTGAACAGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001193644.1](#), [NP_001180573.1](#)

RefSeq ORF: 840 bp

Locus ID: 5824

UniProt ID: [P40855](#)

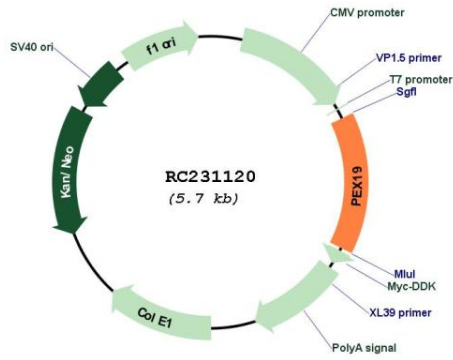
Cytogenetics: 1q23.2

Protein Families: Druggable Genome

MW: 31.2 kDa

Gene Summary: This gene is necessary for early peroxisomal biogenesis. It acts both as a cytosolic chaperone and as an import receptor for peroxisomal membrane proteins (PMPs). Peroxins (PEXs) are proteins that are essential for the assembly of functional peroxisomes. The peroxisome biogenesis disorders (PBDs) are a group of genetically heterogeneous autosomal recessive, lethal diseases characterized by multiple defects in peroxisome function. These disorders have at least 14 complementation groups, with more than one phenotype being observed for some complementation groups. Although the clinical features of PBD patients vary, cells from all PBD patients exhibit a defect in the import of one or more classes of peroxisomal matrix proteins into the organelle. Defects in this gene are a cause of Zellweger syndrome (ZWS), as well as peroxisome biogenesis disorder complementation group 14 (PBD-CG14), which is also known as PBD-CGJ. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2010]

Product images:



Circular map for RC231120