

Product datasheet for **RR208776**

Pex14 (NM_172063) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pex14 (NM_172063) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pex14
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR208776 representing NM_172063
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGTCCTCGGAGCAGGCAGAGCAGCCGAACCAGCCCAGCTCTTCTCCAGGAAGTAAAAATGTGGTGC
 CTCGAGAGCCTCTGATTGCCACAGCAGTGAAGTTCCTACAGAACTCTCGGGTCCGGCAGAGCCCAGTTGC
 GACCAGGAGAGCATTTCTTAAGAAGAAAGGGCTGACAGATGAAGAGATTGACCTGGCTTTCAGCAGTCG
 GGCATCTGCTTCCGACGAGCCTTACCCGTGGGCCAGCTACCCCGGTGGTTCCTGTCCAGCCCCCTCACC
 TCATTTACAGCCATACAGCCCCGAGGTTCCCGATGGCGAGATTACGGTGCCTTGGCCATCCTCTGGC
 AGGAATTGCATTTGGCTTCCACCAGCTCTACAAGAAGTACCTGCTGCCCTCATCTGGGAGCCGAGAG
 GACCGGAAGCAGCTGGAGAGGATGGCGGCGAGTCTCTCGAACTGAGTGGCAGTGTGGCCAGACAGTGA
 CTCAGGTACAGACAACACTGGCCTCTGTCCAGGAGCTACTGAGACAGCAGCAGCAGAAGTCCAGGAGCT
 AGCCCATGAGCTGGCCGCTGCCAAGGCTACCACATCAACCAACTGGATCCTGGAGTCCCAGAATATCAAT
 GAGCTCAAGTCAGAAATCAACTCTGAAAGGACTTCTTCTGAATCGGAGACAGTTCCTCCCTCCCGT
 CAGCCCCGAAGATCCCCTCCTGGCAGATCCCAGTGAAGTCTCCGTACCCTCCAGCCCCGCGCCGTGAA
 CCACCACAGCAGCAGTGACATCTCCCTGTGAGCAATGAGTCTCCGTCTCTCTCCAGGGAAGGACGGC
 CACAGCCCTGAGGGCTCCACAGCCACATACCGCCTGCTGGGGCTCAGGAAGAGGGGGAAGGGGTGATGG
 ACGTCAAGGGCCAGGTGAGGATGGAGGTGCAAGGGGAGGAGGAGAAGAGGGAGGACGAGGAGGGCGAGGA
 GGATGAGGATGATGACGTGAGCCACGTGGATGAAGAGGACGTCTCCGGGTACAGAGGGAGGACAGACGG
 GGCGGCGATGGGCAGATCAATGAGCAGGTAGAGAAGCTGCGGCGCCAGAGGGCGCCAGCAATGAGAGTG
 AGCGAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR208776 representing NM_172063
Red=Cloning site Green=Tags(s)

MASSEQAEPNQPSSSPGSENVVPRELIATAVKFLQNSRVRQSPLATRR AFLKKKGLTDEEIDLAFQQS
 GTASDEPSPVGPATPVVVPVQPHLISQPYSPGGSRWRDYGALAIILAGIAFGFHQLYKYLPLILGGRE
 DRKQLERMAASLSELSGVAQTVTQVQVTTLASVQELLRQQQKQVQELAHELAAAKATTSTNWILESQININ
 ELKSEINSLKGLLLNRRQFPPSPSAPKIPSWQIPVKSPSPSPA AVNHSSSDISPVSNEPSSSPGKDG
 HSPEGSTATYRLLGPQEEGEGVMDVKGQVRMEVQGEEEKREDEEGEEDDDVSHVDEEDVLGVQREDRR
 GGDGQINEQVEKLRRPEGASNESERD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172063

ORF Size: 1128 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_172063.1](#), [NP_742060.1](#)

RefSeq Size: 1903 bp

RefSeq ORF: 1131 bp

Locus ID: 64460

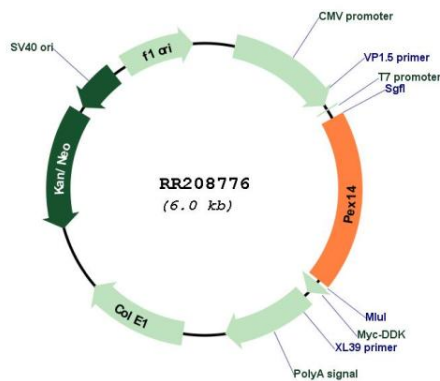
UniProt ID: [Q642G4](#)

Cytogenetics: 5q36

MW: 41 kDa

Gene Summary: interacts with Pex5 and Pex7; plays a role in peroxisome biogenesis [RGD, Feb 2006]

Product images:



Circular map for RR208776