

Product datasheet for **RR213122**

Pex2 (NM_017234) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pex2 (NM_017234) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pex2
Synonyms:	Pxmp3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213122 representing NM_017234 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGCCAGAGAAGAGAGTACACAAAGTGCCAACAGAGTGCTGAGGATAAGTCAGCTGGATGCACTGG
AACTGAATAAGGCCCTGGAGCAGCTCGTGTGGTCCCAGTTTACTCAGTGTTCATGGATTAAGCCAGG
ACTGTTAGCTCGCTTTGAGCCAGAAGTAAAGCATTCTGTGGCTTTTCTGTGGAGGTTACCATCTAT
TCCAAAAATGCCACTGTGGGGCAGTCGGTTTTAAATATTCAGTACAAAAATGATTCTTCTCCAACCCAG
TATACCAACCACCAAGTAAAAATCAGAACTGTTGTATGCTGTGTGCACTATTGGGGGGAGGTGGTTAGA
AGAACGATGTTACGATTTGTTTCCAAACCGACATTTAGCATCTTTCGGGAAAGCCAAACAGTGCATGAAT
TTTGTGGTTGGACTTTTAAATAGGTGAGTTGATGAACCTTTGATTTTCTACAAAAAGGAAAGTTTG
CAACTTTGACAGAACGCCTCCTTGGCATTCTTCTGTATTTTGAAGCCCCAGAGCATGCGTGAAGTTGG
CTTCGAGTACATGAATAGGGAATCTCTGGCATGGCTTTGCCGAATTTCTGGTTTTCTCTTACCGCTC
ATCAATATCCAGAAGTTGAAAGCCAAGTTGTCTCCTGGTGCATCCCCCTACCAGCACTGCTGGTAGTG
ACAGTACACTAGGCAGCAGTGGAAAAGAGTGTGCTCTATGTGGAGAGTGGCCACAATGCCTCATACTAT
TGGATGTGAGCATGATTTTGTACTACTGTGTTAAGAGTAGCTTCTATTTGACATGACTTTACGTGC
CCTAAGTGTGGCAGAGTGCACAGTGTGCAGCCACTGAAATCAGGAATTGAAATGTCAGAAGTGAATG
CTCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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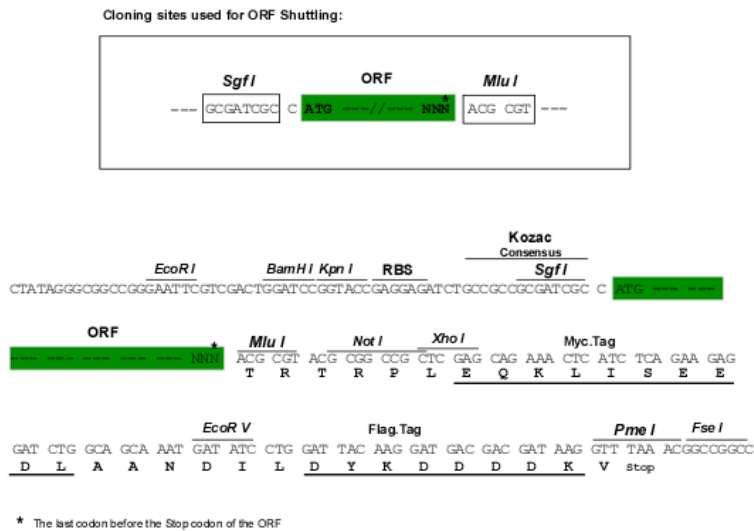
Protein Sequence: >RR213122 representing NM_017234
 Red=Cloning site Green=Tags(s)

MAAREESTQSANRVLRIQLDALELNKALEQLVWSQFTQCFHGFKPGLLARFEPEVKAFLWLFLWRFTIY
 SKNATVGGSVLNIQYKNDSSPNPVYQPPSKNQKLLYAVCTIGGRWLEERCYDLFPNRHASFQKAKQCMN
 FVVGLLKL GELMNFLIFLQKGFATLTERLLGIHSVFCKPQSMREVGFEYMNRELLWHGFAEFLVFLPL
 INIQKLKAKLSSWCIPLTSTAGSDSTLGSSGKECALCGEWPMPHTIGCEHVFCYCVKSSFLFDMYFTC
 PKCGTEVHSVQPLKSGIEMSEVNAL

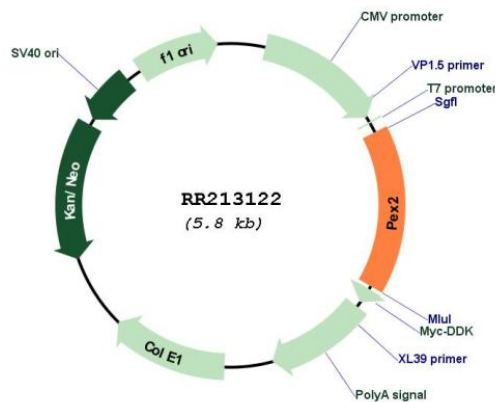
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017234

ORF Size: 915 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:	<ol style="list-style-type: none">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_017234.1 , NP_058930.1
RefSeq Size:	1623 bp
RefSeq ORF:	918 bp
Locus ID:	29534
UniProt ID:	P24392
Cytogenetics:	2q23
MW:	34.7 kDa
Gene Summary:	may play a role in peroxisome biogenesis and assembly [RGD, Feb 2006]