

Product datasheet for **RR205939**

Pex10 (NM_001109405) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pex10 (NM_001109405) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pex10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205939 representing NM_001109405
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGCAGGCGGGTCTCCAGAAGTGATCCGGGCGGCCGAGAAGGACGAGTACTACCTGGGAGGCCTGC
GGAGCGCGCGGGTGGAGCGCTGCACAGCCTAGCGGGTGCAAAGAAATGGCTGGAATGGAGGAAAGAGAT
CGAGTTGCTCTCAGACATAGCCTACTTTGGCCTCACACAATTGCAGGCTACCAGACACTTGGAGAGGAG
TACGTCGGGATCATCCAAGTGGACCCATCCCGGCAGCGTGTGCCCTCCAGGCTCCGACGTGGAGTGTGG
TTGCCCTGCATGCTGTCTTGCCCTACCTGCTAGACAAGGCACTGCTGCCCTGGAGCAGGAGCTGCAAGC
TGAGGGCGACGGCACCCGGGCTCCAGGGGAGTCTGCTACCCGGAGGACGCAGCCGGTCAGGGGCACGG
CGCTGGGTGCGTCACCACGCAGCTACCCTGACTGAACAACAGAGGAGGGCCCTCCAGCGGCAGTCTTTA
TCCTGAGACAGGGCTTCGCTGCCTCCACCGGCTCCATGTGGCTTGGTTTTATATCCATGGTACCTTCTA
CCACCTGGCCAAGAGACTGGCAGGGATCACTTATCTCCGCACTCGCCGCTGCCGGGAGAGGACCTGAGG
GCTTGCACTAGCTACCGACTGCTGGGACTCATCTCCCTGCTGCATCTGGCATTGCTACTGGGCTGCAGT
TGTACAGCTTCAGGCAGAAGCAGCGAGCCAGGAAGGAGTGGAGGCTGCACCGAAATCTGTCCACCGCAG
GAGTTCCCTTGAGGACAGAGCAGTTTGTAGAGCCCACTCTGCACCTGTGCTTGGAGGAGCGAAGACAC
TCCACAGCCACACCTTGTGGCCATCTCTTGCTGGGAGTGCATTACCGAGTGGTGAACACCAAGACAG
AGTGTCCCTATGCCGGGAGAAGTTCCACCCAGAAGCTGGTCTACCTGAGGCACTACCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205939 representing NM_001109405
Red=Cloning site Green=Tags(s)

MAQAGPPEVIRAAQKDEYYLGGLRSAAGGALHSLAGAKKWLWWRKEIELLSDIAYFGLTTIAGYQTLGEE
 YVGI IQVDP SRQ RVP SRLRRGVLVALHAVLPYLLDKALLPLEQELQAE DGT RASQGSLLP GGRSRSGAR
 R WVRHHAATL TEQRRALQRAV F ILRQGFACLHRLHVAFYIHGTFYHLAKRLAGITYL RTRRLPGEDLR
 ACTSYRLLGLISLLHLALSLGLQLYSFRQKQ RARKEWRLHRNLSHRRSSLEDRAVCRAPLCTLCLEERRH
 STATPCGHLFCWECITWCNTKTECP LCREKFP P QKLVYL RH YR

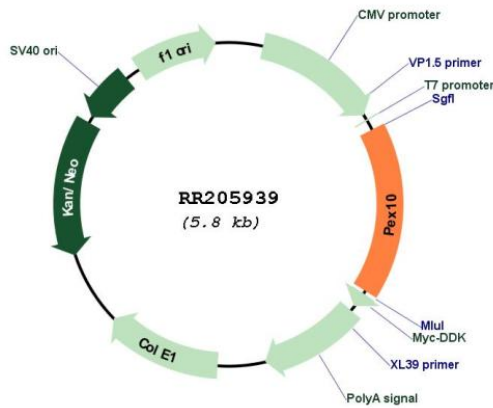
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109405

ORF Size:	972 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_001109405.1 , NP_001102875.1
RefSeq Size:	1699 bp
RefSeq ORF:	975 bp
Locus ID:	680424
Cytogenetics:	5q36
MW:	37.1 kDa