

Product datasheet for **RR213919**

Pex5l (NM_173152) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Pex5l
Synonyms:	Pex2; TRIP8b; Trjip8b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RR213919 representing NM_173152
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTACCAGGGACACATGCAGGAAAAGGCTCTAGGGCTGCAGATAAGGCTGTTGCCATGGTGATGAAGG
 AGATACCGAGGGAGGAGTCTGCAGAAGAAAAGCCCTCCTTACTATGACATCACAGCTGGTGAATGAGCA
 ACAAGAAAGCAGACCTCTCCTGAGCCCTCCATCGACGACTTCCTCTGTGAAACCAATCCGAGGCCATT
 GCAAAGCCAGTGACGTCCAACACAGCTGTGTTGACCACTGGCTTGGATCTCCTTGACCTGAGTGAACCCG
 TCTCTCAAACCAAACCAAGCCAAGAAATCAGAGTCTCATCGAAGAGTTCATCCCTCAAGAAGAAAGC
 TGATGGCTCTGACCTCATCAGTGCAGATGCTGAGCAGAGAGCACAGGCTCTCCGAGGGCCAGAGACATCA
 TCCTTAGATTTAGATATTCAAACACAACCTGAAAAATGGGATGATGTCAAGTTTCATGGTGACCGAACAA
 GCAAGGGGCACCTCATGGCAGAGAGGAAGTCATGCTCTCCAGAGCCGGATCCAAGAGCTTCTGTGGTC
 CTCAGAACATAGATCTCAGCCAGAGCTGAGTACCGGAAAAGTGCCCTCAACTCCGAGTCGGCTTCTGAG
 TTGGAACCTTGTGGCTCCAGCACAGGCTCGGCTGACCAAGAGCATCGCTGGGGAAGCGCCCTGCTCTCCA
 GGAACCATTCCTTAGAAGAGGAGTTTGAGAGGGCAAAAGCAGCAGTAGAGTCAGATACGGAGTTCTGGGA
 TAAGATGCAGGCAGAATGGGAAGAAATGGCCCGAGGGAAGTGGATATCAGAGAACCAGGAAGCTCAGAAC
 CAAGTCACCGTCTCAGCCAGTGAGAAGGTTATTACTTTCACACTGAAAAATCCCTTCAAGGACTGGCCTG
 GAGCATTTGAAGAAGGCTTAAAAAGACTGAAGGAAGGGGACCTGCCGTCACCATCCTGTTTCATGGAAGC
 AGCGATCCTTCAGGACCTGGAACGCTGAGGCATGGCAGTTTCTTGGTATAACCCAGGCCGAGAATGAA
 AACGAACAGGCAGCCATTGTCGCCCTCCAGAGGTGCCTGGAGTGCAGCCCAACAACCTGAAGGCTCTGA
 TGGCCTTGGCTGTGAGTTACACCAATACCAGCCACCAGCAGGATGCTTGTGAGGCGCTGAAGAACTGGAT
 TAAGCAAAACCCAAAGTACAAGTACCTTGTGAAGAAACAAGAAAGGCTCTCCAGGCCCTCACGCGCGGAATG
 TCTAAATCCCAAGTTGACAGCTCTGTCTGGAAGGGGTGAAGGACCTGTACCTGGAGGCTGCCACCAAA
 ATGGTGACATGATCGACCCAGACCTGCAGACGGGTCTTGGAGTCTGTTCCACCTGAGTGGAGAGTTCAA
 CCGAGCGATCGATGCATTTAATGCTGCCTTAAGTGTTCGGCCAGAGGATTACTCGTTGTGAACCGACTT
 GGGGCAACCTTGGCAATGGAGACCGCAGTGAGGAAGCTGTAGAGGCTACACGAGAGCACTGGAGATCC
 AGCCAGGTTTCATCCGGTCCAGGTACAACCTGGGAATCAGCTGCATCAACCTGGGTGCCTACAGAGAAGC
 GGTGAGCACTTTCTACTGCCCTCAGCTTGCAGAGGAAGAGCAGGAACAGCAGCAGGTCCCTCACCCT
 GCCATCTCCGGGAACATCTGGGCCGCCCTCAGGATTGCGCTGTCGCTGATGGACCAGCCAGAGCTTTCC
 AGGCAGCCAACCTCGGCACCTGGATGTCTCCTGAGAGCTTCAACTTGGATCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213919 representing NM_173152
 Red=Cloning site Green=Tags(s)

MYQGHMQKGSRAADKAVAMVMEIPREESAEKPLLMTSQLVNEQQESRPLLSPIIDDFLCETKSEAI
 AKPVTSENTAVLTTGLDLLDLSEPVSQTQTKAKKSESSKSSSLKKKADGSDLSADAEQRAQALRGPETS
 SLDLDIQTQLEKWDDVKFHGDRTSKGHLMARERSCSSRAGSKELLWSSEHRSQPELSTGKSALNSESASE
 LELVAPAQARLTKEHRWGSALLSRNHSLEEEFERAKAAVESDTEFWDKMQAEWEEMARRNWISENQEAQN
 QVTVSASEKGYFHTENPFKDWPGAFEEGLKRLKEGDLPTILFMEAAILQDPGNAEAWQFLGITQAENE
 NEQAAIVALQRCLQLPNNLKALMALAVSYTNTSHQQDACEALKNWIQNPKYKLVKNKKGSPGLTRRM
 SKSPVDSSVLEGVKDLYLEAAHQNGMIDPDLQTGLGVLFHLSGEFNRAIDAFNAALTVPREDYSLWNRL
 GATLANGDRSEEAVEAYTRALEIQPGFIRSRYNLGISINLGAYREAVSNFLTALSLQRKSRNQVQVPHF
 AISGNIWAALRIALSLMDQPELFQAANLGDLDVLLRAFNLDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173152

ORF Size: 1806 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:

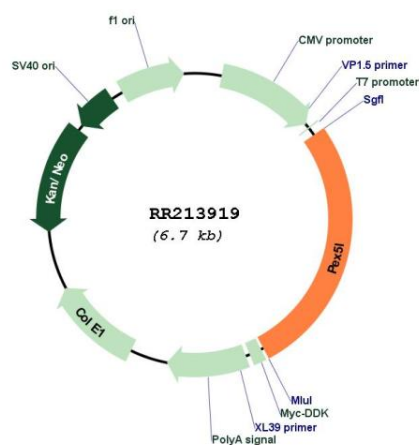
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173152.1](#), [NP_775175.1](#)

RefSeq Size:	1809 bp
RefSeq ORF:	1809 bp
Locus ID:	286937
UniProt ID:	Q925N3
Cytogenetics:	2q24
MW:	66.9 kDa
Gene Summary:	plays a role in cAMP-induced ACTH secretion [RGD, Feb 2006]

Product images:



Circular map for RR213919