

Product datasheet for MR211847

Pex1 (NM_027777) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pex1 (NM_027777) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pex1
Synonyms: 5430414H02Rik; E330005K07Rik; ZWS1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR211847 representing NM_027777
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGTGGAGCAGCGATCGCTTAGCGGGTGC GGCTCTGGTGGGGCGGTCTGACGGTGGCCTTCACGAATG
 CTCGGGACTGCTCCTGCATCTGCCGGCGCCTCGTGGCCAGCTTCACCTGCTGCAGAATCAAGCTAT
 AGAAGTGGCCAGCGATCACCAGCCTACCTACCTGAGCTGGGTGGAAGGCAGGCATTTTAAATGATCAAAGT
 GAAAATGTGGCAGAAATTAATAGACAAGTTGGCCAGAACTTGGACTCTCAAGCGGAGATCAGGTGTTTC
 TCAGGCCCTTGTTCCCATGTGGTATCTTGCCAACAGGTTGAAGTGGAGCCTCTCTCAGCAGATGACTGGGA
 AATACTGGAGCTGCACGCCATTTCCCTTGAACAGCATCTCTGGATCAGATTCGAATAGTTTTCCCAAA
 GCTGTTGTTCCCATCTGGGTTGACCAGCAGACCTACATATTTATCCAGATCGTCACTCTGATGCCAGCTG
 CCCCTTATGGAAGGCTAGAACTAACACCAAACCTCTTATTCAGCCAAAGACACGCCAAGCCAAAGAGAG
 CACATTTCCAAAAGAAGGAGATGCACACGGACAAGTTCATAGTTATGGGCGAGAACAGAAAGGATTGTCA
 AAGGAATTACAAACCAGGCAGCTTCATACGAACTCAGAGGGTATCACTGCATCCAATGGAAGAGACCCAA
 AAGTCCCAGGTGGCCCGTTGAAGCCAAGCTGGTGGGCTGTGCTCGGAAGCATGCTTTCCTTTGGGCTGA
 CAGTAAACAGGAGTCAGCCTGGGCTCGTTGGAAGTCCAGCCACCTAGTGGCGTACCACCAGCTACCTCTG
 CCTCTGGAAGGTACTTTTCAGAGTATGCCAAGTCCAGCCACCTAGTGGCGTACCACCAGCTACCTCTG
 TGTTTCACAAACACTGCACCGCCACGTATTTCCCTTGGGACCAAGAATACTTTGATGTGGAGCCAGCTT
 TACTGTGACCTATGGAAGTACTGTAAGCTACATTTCTCCAAAACAACAGCAAGACAAAAGTAAAGAGGGT
 GTCCTGTTGCCTGACAAAGAGAAGCAGCTGTCCAAGTCTCCAGATCATAAGCAGATCAGCTCCAACCGCA
 GTGAGGAGGCTGCTGAGGCCTGTGTGCTGAAGGTAGTCTGGAATGGACTCGAGGAGTTGAAGAATGCCAC
 AGAGTTACCCGAAAGTCTAGAGCTTCTCCACCGTGGGAAAGTCTGGCCTAAAGACGTCAATGAAGAACT
 AAAAAACAGTGTTCATCTTGGGTACAGCAGTCCGCTACCACGATGCTTCTTTGGTAAATATCAAAGG
 AAGAGCGTATTAAGCTGGAATTAAGATGGGCTGAGAGAGTTCTCTCTGAGTACAGTTCATTCTCAGGA
 AAAAGAAAAGGAAGAAGGAAAACACTGTGTTTGTGTTGAGTCCATCTGCTGCAGAAGATCTCAGTACAA



[View online »](#)

GTCTTCTAGAGCCCATGATAAAAGAAGAACAGAGTGCAGAAATCGACTTCTTCTCCCTCTTTAACGC
TGAGCTCTTTGGGGGAGTGAAGTGCCTTAGGTGCATCTGCAATGGAGCACATCACTCACAGTCTCCTGGG
ACGCCCCGTTGTCTAGGCAGCTGATGGCCCTCGTTGCAGGACTTAGGAATGGCGCTCTTTTGATCACTGGA
GGAAAGGGAAGCGGGAAGTCAACATTCGCGAAAGCCATCTGCAAGGAAGCACAGGACACTCTGGATGCC
GTGTGGAGACAGTCGACTGCAAGGCTTACGAGGAAAAAGGCTTGAAAGCATACAAAAGCGCTAGAGGT
GGCTTTCTCAGAGGCCGCTGGAGGCAGCCATCTGTCTTCTGCTGGATGACCTGGACCTCATTGCCGGA
CTGCCAAGTGTCCCCGAGCAGGAGCACAGCCCTGAAGCGGTGCAGAGCCAGCGGCTTGCACATGCTTGA
ACGATATGATCAAAGAGTTTGTTCACGGAAGCTTGGTGGCACTCATCGCCACGAGCCAGCTCCAGCA
GTCTCTGCACCCTTCCCTTGTGTCTGCTCAAGGAATCCACACGTTTCAATGTGTCCAGCACCTTCAGCCT
CCCAATCCGGAACAGAGATGTGAAATTCTGCACAGTGTGTGAAGAATAAACTGGGCTGTGATATAAGCA
ATTTCCCTGACTTGGACCTGCAGTGCATAGCTAAAGACACAGAAGCGTTTGTGGCTCGTACTTTACAGT
TCTTGTGGACCGACCATACACTTCTCTCTCTGCCAGCATAGCTCCTCTAGGGAAGACTTGACTTTA
ACAACATCAGACTTCCAAAAGGCTCTCCGTGGATTCTTCTGCTTCTCTGCGAAATGTCAACTGCATA
AACCTAGAGACCTGGGCTGGGACAAGATTGGTGGATTACATGAAGTTCGGCAGATCCTCATGGATACTAT
CCAGTTACCAGCCAAGTACCCAGAATTATTTGCAAATACCCATACGACAGAGGACAGGAATACTGCTT
TATGGTCTCCAGGGACAGGAAAACTTACTTGTCTGGGGTAGTTGCAAGAGAGAGTGAATGAATTTTA
TTAGTATTAAGGGACCAGAGTACTCAGCAAATATATTGGCGCAAGTGAGCAAGCTGTTCCGAGATGTTTT
CATCAGAGCACAGGCTGCAAAGCCCTGCATTCTTTTCTTTGATGAGTTTGAGTCCATCGCTCCTCGAAGA
GGCCATGACAACACAGGGGTTACAGACCGAGTAGTCAACCAGTTGCTGACACAGTTAGACGGAGTAGAAG
GCTTACAGGGAGTTATGTGCTGGCTGCTACTAGTCGCCCTGACTTGATCGACCTGCCCTGTGCGGCC
TGGCAGACTGGATAAATGTGTA TACTGCCCTCCTCCAGATCAGGTGTCCCGTCTTGAGATTTAACTGTC
CTCAGCAAGTCTCTAGCTCTGGCAGATGACGTGGACCTCAGCACGTGGCGTCCGTCACCGACTCGTTCA
CTGGAGCGGATCTGAAAGCTCTGCTGTACAACGCTCAGCTGGAGGCCTTGCAAGGACGGCTGCTGCCAG
TGGGCTTCCCGATGGAGGCTCCAGCTCTGACAGTGACCTGAGTCTGTCTTCAATGGTCTTTCTTAAACCAC
AGCAGTGGTCCGACGACTCCGCTGGAGATGGAGAATGTGGCTTAGAGCAATCCCTGCTTCTCTCGAGA
TGTCTGAGATCCTCCAGACGAATCAAATCAATATGTACCGGCTCTACTTTGGAAGCTCGTATGAATC
GGAGCTTGAAATGGGACCCCTTCTGACTTGAGCTCACACTGTCTGTCTGCACCAAGCTCCGTGACTCAG
GATTTACCTGCAGCTCCTGGGAAAGACCCGTTATTTACACAACATCCTGTGTTCCAGGACACCTTCCCAAG
AAGGCTGCCAAGACCTCACCCAGGAGCAGAGAGATCAGCTGAGGGCAGAGATCAGCATCATCAAAGGCAG
ATACCGGAGCCAAAGTGGAGAGGATGAATCCCTTAACCAGCCTGGACCAATCAAACCACCTTTGCTATT
AGCCAGGCACATTTAATGACTGCACTTGCCACACAAGACCGTCTATTAGTGAAGATGAAGGGAAGGAAT
TTGCTGAGCTGTATGAGAACTTTCAAAATCCAAAGAAGAGAAAAAATCAAAGTGGAAACAGTGTTCGAAC
TGGACAGAAAGTAACTTTAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211847 representing NM_027777
Red=Cloning site Green=Tags(s)

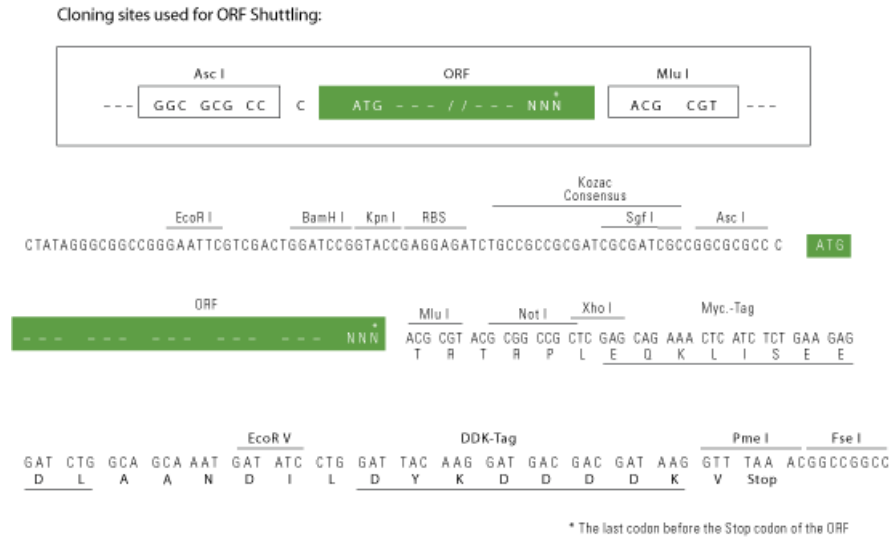
MWSSDRLAGAGSGGAVVTVAFNARDNFLHLPRLVAQLHLLQNQAIEVASDHQPTYLSWVEGRHFNDQS
 ENVAEINRQVGGKLGSSGDQVFLRPCSHVVSQQVEVEPLSADDWEILELHAISLEQHLLDQIRIVFPK
 AVVPIWVDQQTYYIFIQIVTLMPAAPYGRLETNTKLLIQPKTRQAKESTFPKEGDAHGVHSYGREQKGLS
 KELQTRQLHTNSEGITASNGRDPKVPGGPLKPSWWAVLGSMLSGPDSKQESAWGSLELGAFKNMQSQAA
 PLEGTFRVCQVQPPSARTTTATSVFHKHCTAHVFPWDQEQYFDVEPSFTVTYQKLVKLHSPKQQQDKSKQG
 VLLPDKKQKLSKSPDHKQISSNRSEAAEACVLKVVWNGLEELKNATEFTESLELLHRGKVVWPKDVNEET
 IKTVFSSWVQSSATTMLPLVISKEERIKLEIKDGLREFSLSTVHSQEKEKEEGKTVFVLSILLQKISVQ
 VLEPMIKKEEQSAEIDFLLPSLTLSSLGGVSALGASAMEHITHSLLGRPLSRQLMALVAGLRNGALLITG
 GKGGSKSTFAKAICKEAQDTLDARVETVDCKALRGKRLESIQKALEVAFSEAAWRQPSVILLDDLDLIAG
 LPSVPEQEHSPAVQSQRALAHALNDMIKEFVSTGSLVALIATSQLQQLHPSLVSAQGIHTFQCVQHLQP
 PNPEQRCEILHSVVKNLGCDISNFPDLDLQCIKADTEAFVARDFTVLVDRAIHSSLSRQHSSSREDLTL
 TTSDFQKALRGFLPASLRNVNLHKPRDLGWDKIGLHEVRQILMDTIQLPAKYPELFANLPIRQRTGILL
 YGPPGTGKTLLAGVVARESGMNFISIKGPELLSKYIGASEQAVRDVFIQAQAKPCILFFDEFESIAPRR
 GHDNTGVTDRVVNQLLTQLDGVEGLQGVYVLAATSRPDLIDPALLRPGRLDKCVYCPPDQVSRLEILT
 LSKSLALADDVDLQHVASVTDSFTGADLKALLYNAQLEALQGRLLPSGLPDGSSSDSLSSMVFLNH
 SSGSDSAGDGEGLEQSLLSLEMSEILPDESKFNMYRLYFGSSYESELNGTSPDLSSHCLSAPSSVTQ
 DLPAPGKDPLFTQHPVFRTPSQEGCQDLTQEQRDLRAEISIIKGRYRSQSGEDES LNQPPIKTTFAI
 SQAHLMTALAHTRPSISEDEGKEFAELYENFQNPKKRNQSGTVFRTGQKVTLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9047_d09.zip

Restriction Sites: AscI-MluI

Cloning Scheme:

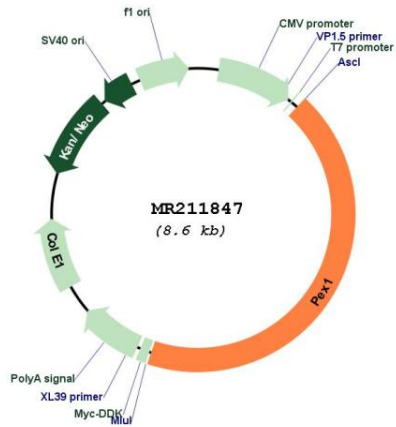


ACCN: NM_027777

ORF Size: 3732 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_027777.2 , NP_082053.1
RefSeq Size:	4323 bp
RefSeq ORF:	3735 bp
Locus ID:	71382
UniProt ID:	Q5BL07
Cytogenetics:	5 A1
MW:	137.2 kDa
Gene Summary:	Required for stability of PEX5 and protein import into the peroxisome matrix. Anchored by PEX26 to peroxisome membranes, possibly to form heteromeric AAA ATPase complexes required for the import of proteins into peroxisomes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211847