

Product datasheet for **MC219727**

Pex5l (NM_021483) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Pex5l
Synonyms:	1700016J08Rik; Pex2; pex5Rp; PXR2; TRIP8b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC219727 representing NM_021483
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCTGACAGTGAAATGGATGGAAGGACTCACATTCCATCTCTACTTAATGCCCTTTGTCCAGAAATC
 GGGTCATGCAGATGAGCTACTTGAAAAGTAAAGAACAAGGCTATGGCAAGCTAAGCAGTGACGAGGACCT
 GGAAATAATTGTTGACCAGAAGCAGCTGGTGAATGAGCAACAAGAGAGCAGACCCCTCCTGAGCCCTCC
 ATCGACGACTTCTCTGCGAAACCAATCGGAGGCCATTGCAAGCCAGTGACATCCAACACAGCCGTGT
 TGACCACTGGCTTGGATCTCCTTGACCTGAGTGAACCCGTCTCTCAAACCCAAACCAAGCCAAGAAATC
 TGAGCCCTCATCAAAGAGCTCGTCCCTCAAGAAGAAAGCTGATGGCTCCGACCTCATCAGTGCAGATGCT
 GAGCAGAGAGCACAGGCTCTCCGAGGGCCAGAGACATCATCCTTAGATTAGACATTCAAACACAAGTGG
 AAAAAATGGGATGATGTCAAGTTTCACGGTGACCGAACAAGCAAGGGGCATCTCATGGCAGAAAGGAAATC
 ATGCTCTTCCAGAACTGGGTCCAAAGAGCTTCTTTGGTCCGAGAACACAGATCTCAGCCAGAGCTGAGT
 ACTGGGAAAAGCGCCCTCAACTCTGAGTCGGCTTCCGAGTTGGAACCTTGTAGCTCCAGCACAGGCTCGGC
 TGACCAAGAGCATCGCTGGGGAAGTGCCCTGCTCTCCAGGAACCATCTTGGAAAGAGGAGTTTGAAAG
 GGCAAAAGCGGCAGTAGAGTCAGATACAGAGTTCTGGGATAAGATGCAGGCAGAAATGGGAGGAAATGGCC
 CGGAGGAAGTGGATATCCGAGAACCAGGAAGCTCAGAACCAAGTCAACGCTCTCGGCCAGTGAGAAGGGAT
 ATTACTTCCACACTGAAAATCCCTTCAAGGACTGGCCTGGAGCATTGGAAGAAGGCTTAAAAAGGTTGAA
 GGAAGGGGACCTGCCTGTCAACATCTGTTTATGGAAGCTGCAATTCTTCAGGACCCTGGAGACGCTGAG
 GCATGGCAGTTTCTTGGTATAACCCAGGCTGAGAATGAAAATGAGCAGGCAGCTATTGTGCGCCCTCCAGA
 GGTGCTGGAGTTGCAGCCCAACAACTTGAAGGCTCTGATGGCCTTGGCTGTAAATTACCAACACCCAG
 CCACAGCAGGATGCTTGTGAGGCACTGAAGAAGTGGATTAAGCAAAACCCAAAGTACAAGTACCTTGTG
 AAGAACAAGAAAGGCTCTCCAGGCCTCACACGGCGGATGTCTAAATCCCCAGTTGACAGCTCTGTTCTGG
 AAGGAGTGAAGGAGTTGTACCTGGAAGCTGCCCAACAAATGGTGACATGATTGACCCAGACCTGCAGAC
 AGGTCTGGGAGTTCTGTTCCACCTGAGTGGAGAGTTCAATAGAGCAATCGATGCATTTAATGCTGCCTTA
 ACAGTTTCGGCCAGAGGATTACTCACTGTGGAACCGTCTTGGGGCAACCTTGGCAAAATGGAGACCGCAGTG
 AGGAAGCTGTGGAGGCTACACGAGAGCACTGGAGATCCAGCCAGGTTTCATCCGCTCCAGATACAACCT
 GGGGATCAGCTGCATCAACCTGGGTGCCTACAGAGAAGCGGTGAGCAACTTCTCACTGCCCTCAGCTTG
 CAGAGGAAGAGCAGGAACCAGCAGCAAGTCCCTCACCTGCCATCTCCGGGAACATCTGGGCCGCCCTCA
 GGATTGCCCTGTGCTGATGGACGACCGGAGCTCTTCCAGGCCGCCAACCTCGGTGACTTGGATGTCCT
 CCTGAGAGCTTTCAATTTGGATCCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_021483

Insert Size:

1848 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_021483.5, NP_067458.2</u>
RefSeq Size:	4903 bp
RefSeq ORF:	1848 bp
Locus ID:	58869
Cytogenetics:	3 A3
Gene Summary:	Accessory subunit of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels, regulating their cell-surface expression and cyclic nucleotide dependence.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) differs in the 5' UTR and lacks an alternate in-frame exon in the 5' coding region compared to variant 5. The encoded isoform (1) is shorter than isoform 5. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.