

Product datasheet for **RC234453**

PEX5 related protein (PEX5L) (NM_001256753) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX5 related protein (PEX5L) (NM_001256753) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PEX5 related protein
Synonyms:	PEX5R; PEX5RP; PXR2; PXR2B; TRIP8b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234453 representing NM_001256753
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACCAGGGACACATGCAGCTGGTGAATGAGCAACAAGAAAGCAGACCCTCCTGAGTCCCTCCATCG
 ATGACTTTCTCTGTGAAACCAAATCGGAAGCAATAGCAAGGCCAGTAACATCCAATACAGCTGTATTGAC
 CACTGGCTTAGATCTCCTCGACCTGAGTGAACCGTCTCTCAAACCCAAACCAAAGCCAAGAAGTCAGAG
 CCCTCATCAAAAACCTCATCCCTCAAGAAAAAGGCCGATGGATCTGACCTCATCAGCAGGGATGCTGAGC
 AGAGAGGCCAGCCTCTCAGAGTCCCGGAGACTTCATCCTTAGATCTAGACATTCAAACACAACCTGGAAAA
 ATGGGACGATGTTAAGTTTCATGGAGATCGAAATACCAAGGGACATCCAATGGCAGAGAGAAAAATCATCC
 TCATCTAGAACTGGATCAAAAGAGCTTATGGTCCTCAGAACACAGATCTCAACCAGAAGTGGTGGT
 GAAAAAGCGCCCTCAACTCTGAGTCGGCTCAGAATTGGAATTAGTGGCTCCGACTCAGGCTCGACTGAC
 CAAAGAACATCGCTGGGAAGCGCATTACTTTCTAGAAACCACTCCTTAGAAGAAGAGTTTGAAAGGGCA
 AAAGCAGCAGTGGAGTCAGATACAGAGTTTGGGATAAGATGCAAGCAGAATGGGAAGAAATGGCTCGGA
 GAACTGGATATCTGAGAACCAAGAAGCCAGAACCAAGTAACCATCTCGGCTAGTGAGAAGGGATTA
 CTTTCACACTGAAAACCCCTTCAAGGACTGGCCTGGAGCATTGGAAGAAGGCTTAAAAAGGCTGAAGGAA
 GGGGATCTGCCAGTACCATCCTGTTTATGGAAGCAGCAATTTCTCAGGACCCTGGAGATGCAGAGGCAT
 GGCAGTTCTCGGGATAACCCAGGCGGAGAATGAAAATGAACAAGCAGCTATTGTGCGCCCTCAGAGGTG
 CTTAGAATTACAGCCCAACAACCTAAAAGCTTTGATGGCCTTGGCTGTGAGTTATACTAACACTGGCCAT
 CAGCAGGATGCCTGTGACGCTCTGAAGAATTGGATTAAGCAAAATCCAAGTACAATACCTTGTGAAAA
 GCAAGAAGGGATCTCCAGGCCTCACCCGGCGGATGTCTAAGTCCCAAGTGGATAGCTCTGTTCTGGAAGG
 GGTGAAGGAATTATATCTGGAAGCTGCCACCAAATGGAGATATGATCGACCCAGACCTGCAGACAGGT
 CTAGGGTTCTGTTCCACCTGAGTGGAGAATTTAATAGAGCAATAGATGCATTTAACGCTGCCTTAAGT
 TTCGGCCAGAGGACTATCACTATGGAACCGCCTCGGGGCGACCTTGGCGAACGGAGACCGCAGCGAGGA
 AGCCGTGGAGGCCTATACGCGAGCACTGGAGATTCAGCCAGGATTCATCCGGTCCAGATACAACCTAGGA
 ATAAGTGCATCAACCTGGGCGCCTACAGAGAAGCGGTCAGCAATTTCTCACTGCCCTCAGTTTGCAA
 GAAAGAGCAGGAATCAGCAGCAAGTTCTCATCCTGCAATCTCTGGGAATATCTGGGCTGCCCTCAGAA
 TGCCTCTCTGATGGACCAACCAGAACTCTCCAGGCGGCTAATCTTGGTGACCTGGATGTCCTCTTA
 AGAGCTTCAACTGGATCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234453 representing NM_001256753
 Red=Cloning site Green=Tags(s)

MYQGHMQLVNEQQESRPLLSPSIDDFLCETKSEAIARPVTSNTAVLTTGLDLDLSEPVSTQTKAKKSE
 PSSKTSLLKKKADGSDLISTDAEQRGQPLRVPETSSLDLDIQTQLEKWDVDFHGDNRNTKGPMAERKSS
 SSRTGSKELLWSSEHRSQPELGGKKSALNSESASELELVAPTQARLTKEHRWGSALLSRNHSLEEEFERA
 KAAVESDTEFWDKMQAEWEEMARRNWIENQEAQNQVTISASEKGYFFHTENPFKDWPGAFEEGLKRLKE
 GDLPVTILFMEAAAILQDPGDAEAWQFLGITQAENENEQAAIVALQRCLQLPNNLKALMALAVSYTNTGH
 QQDACDALKNWIQNPKYKLVKSKKSGPGLTRRMSKSPVDSSVLEGVKELYLEAAHQNGDMIDPDLQTG
 LGVLFHLSGEFNRAIDAFNAALTVRPEDYSLWNRLGATLANGDRSEEAVEAYTRALEIQPGFIRSRYNLG
 ISCINLGAYREAVSNFLTALSLQRKSRNQVPHPAISGNIWAALRIALSLMDQPELFAANLGDLDVLL
 RAFNLDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256753

ORF Size: 1701 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.

RefSeq: [NM_001256753.2](#)

RefSeq Size: 9028 bp

RefSeq ORF: 1704 bp

Locus ID: 51555

UniProt ID: [Q8IYB4](#)

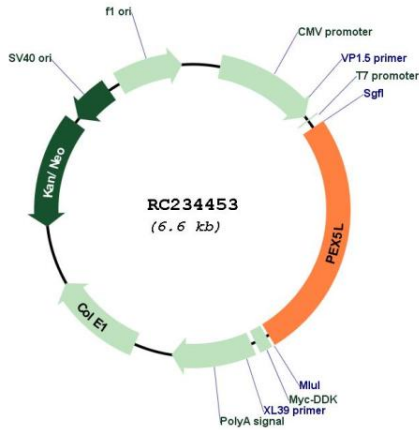
Cytogenetics: 3q26.33

Protein Families: Druggable Genome

MW: 63.7 kDa

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]

Product images:



Circular map for RC234453