

Product datasheet for **RC234534**

PEX5 related protein (PEX5L) (NM_001256751) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX5 related protein (PEX5L) (NM_001256751) 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:

>RC234534 representing NM_001256751
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACCAGGGACACATGCAGGGAAAAGGCTCTAGGGCGGCAGATAAAGGCTGTTGCCATGGTGTGAAGG
 AGATACCGAGGGAGGAGTCTGCTGAAGAAAAGCCCTCCTTACTATGACATCACAGCTGGTGAATGAGCA
 ACAAGAAAAGCAGACCCCTCTGAGTCCCTCCATCGATGACTTTCTCTGTGAAACCAAATCGGAAGCAATA
 GCAAGGCCAGTAACATCCAATACAGCTGTATTGACCACTGGCTTAGATCTCCTCGACCTGAGTGAACCGAG
 TCTCTCAAACCCAAACCAAGCCAAAGAAGTCAAGAGCCCTCATCAAAAACCTCATCCCTCAAGAAAAAGGC
 CGATGGATCTGACCTCATCAGCACGGATGCTGAGCAGAGAGGCCAGCCTCTCAGAGTCCCGGAGACTTCA
 TCCTTAGATCTAGACATCAACACAACCTGGAAAAATGGGACGATGTTAAGTTTCATGGAGATCGAAATA
 CCAAGGGACATCCAATGGCAGAGAGAAAATCATCTCATCTAGAAGTGGATCAAAAAGAGCTTTATGGTC
 CTCAGAACACAGATCTCAACCAGAACTGAGTGGTGGAAAAAGCGCCCTCAACTCTGAGTCGGCTTCAGAA
 TTGGAATTAGTGGCTCCGACTCAGGCTCGACTGACCAAAGAACATCGCTGGGGAAGCGCATTACTTTCTA
 GAAACCACTCCTTAGAAGAAGAGTTTGAAGGGCAAAAAGCAGCAGTGGAGTCAGATACAGAGTTTGGGA
 TAAGATGCAAGCAGAATGGGAAGAAATGGCTCGGAGGAACTGGATATCTGAGAACCAAGAAGCCAGAAC
 CAAGTAACCATCTCGGCTAGTGAGAAGGGATATTACTTTCACACTGAAAACCCCTTCAAGGACTGGCCTG
 GAGCATTTGAAGAAGGCTTAAAAAGGCTGAAGGAAGGGGATCTGCCAGTCAACATCTGTTCATGGAAGC
 AGCAATTTTCAGGACCTGGAGATGCAGAGGCATGGCAGTTCCTCGGGATAACCCAGGCGGAGAATGAA
 AATGAACAAGCAGCTATTGTCGCCCTCCAGAGGTGCTTAGAATTACAGCCCAACAACCTTAAAAGCTTTGA
 TGGCCTTGGCTGTGAGTTATACTAACACTGGCCATCAGCAGGATGCCTGTGACGCTCTGAAGAATTGGAT
 TAAGCAAAAATCCAAGTACAAATACCTTGTGAAAAGCAAGAAGGATCTCCAGGCCTCACCCGGCGGATG
 TCTAAGTCCCGAGTTGATAGCTCTGTTCTGGAAGGGTGAAGGAATTATCTGGAAGCTGCCACCAAAA
 ATGGAGATATGATCGACCAGACCTGCAGACAGGTCTAGGGGTTCTGTTCCACTGAGTGGAGAATTTAA
 TAGAGCAATAGATGCATTTAACGCTGCCTAACTGTTCCGCCAGAGGACTATCACTATGGAACCGCCTC
 GGGGCGACCTTGGCGAACGGAGACCGCAGCGAGGAAGCCGTGGAGGCTATACGCGAGCACTGGAGATTC
 AGCCAGGATTCATCCGGTCCAGATACAACCTAGGAATAAGCTGCATCAACCTGGGCGCTACAGAGAAGC
 GGTCAAGCAATTTCTCACTGCCCTCAGTTTGCAAAGAAAGAGCAGGAATCAGCAGCAAGTCTCTCATCT
 GCAATCTCTGGGAATATCTGGGCTGCCCTCAGAATTGCGCTCTCTGATGGACCAACCAGAACTCTTCC
 AGGCGGCTAATCTTGGTACCTGGATGTCTCTTAAGAGCTTTCAACTTGGATCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234534 representing NM_001256751
 Red=Cloning site Green=Tags(s)

MYQGHMQGKGSRAADKAVAMVMKEIPREESAEEKPLLTMTSQLVNEQQESRPLLSPIIDDFLCETKSEAI
 ARPVTSNTAVLTTGLDLLDLSEPVSTQTKAKKSEPSSKTSLLKKADGSDLISTDAEQRGQPLRVPETS
 SLDLDIQTQLEKWDVDFHGDNRNTKGHPMAERKSSSRTGSKELLWSEHRSQPELGGKSALNSESASE
 LELVAPTQARLTKEHRWGSALLSRNHSLEEEFERAKAAVESDTEFWDKMQAEWEEMARRNWI SENQEAQN
 QVTISASEKGYFFHTENPFKDWPGAFEEGLKRLKEGDLPVITILFMEAILQDPGDAEAWQFLGITQAENE
 NEQAAIVALQRLELQPNNLKALMALAVSYTNTGHQQDACDALKNWIKQNPKYKLVKSKKSPGLTRRM
 SKSPVDSSVLEGVKELYLEAAHQNGMIDPDLQTGLGVLFHLSGEFNRAIDAFNAALTVRPEDYSLWNRL
 GATLANGDRSEEAVEAYTRALEIQPGFIRSRYNLGISCNLNGAYREAVSNFLTALSLQRKSRNQVQVPHF
 AISGNIWAALRIALSLMDQPELFAQANLGDLDVLLRAFNLDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001256751

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.

RefSeq: [NM_001256751.2](#)

RefSeq Size: 9133 bp

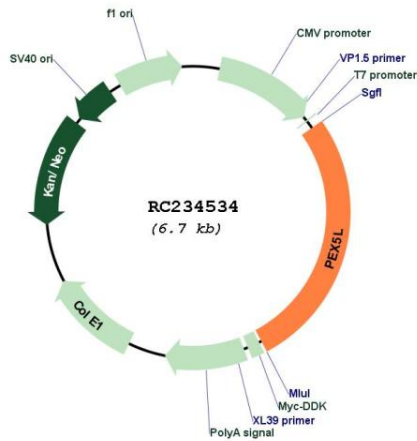
RefSeq ORF: 1809 bp

Locus ID: 51555

UniProt ID: [Q8IYB4](#)

Cytogenetics: 3q26.33
Protein Families: Druggable Genome
MW: 67.4 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 RC234534