

Product datasheet for **RG234593**

PEX5 related protein (PEX5L) (NM_001256750) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEX5 related protein (PEX5L) (NM_001256750) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PEX5 related protein
Synonyms:	PEX5R; PEX5RP; PXR2; PXR2B; TRIP8b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234593 representing NM_001256750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTACCAGGGACACATGCAGGTAGTAGGTGAACCTTGAAGAAAAAGTGGCACTGTCTTCAAAAAAGT
 ACCTGACCCTGGCTTTGGGAAAAGGCTCTAGGGCGGCAGATAAGGCTGTTGCCATGGTGAAGGAGAT
 ACCGAGGGAGGAGTCTGCTGAAGAAAAGCCCTCCTTACTATGACATCACAGCTGGTGAATGAGCAACAA
 GAAAGCAGACCCCTCCTGAGTCCCTCCATCGATGACTTTCTGTGAAACCAAATCGGAAGCAATAGCAA
 GGCCAGTAAACATCCAATACAGCTGTATTGACCACTGGCTTAGATCTCCTCGACCTGAGTGAACCACTC
 TCAAACCAAACCAAAGCAAGAAGTCAAGACCCCTCATCAAAAACCTCATCCCTCAAGAAAAAGGCCGAT
 GGATCTGACCTCATCAGCACGGATGCTGAGCAGAGAGGCCAGCCTCTCAGAGTCCCGGAGACTTCATCCT
 TAGATCTAGACATTCAAACACAACCTGAAAAATGGGACGATGTTAAGTTTCATGGAGATCGAAATACCAA
 GGGACATCCAATGGCAGAGAGAAAAATCATCCTCATCTAGAACTGGATCAAAGAGCTCTTATGGTCTCA
 GAACACAGATCTCAACCGAAGTGAAGTGGTGGAAAAAGCGCCCTCAACTCTGAGTCGGCTTCAGAATTGG
 AATTAGTGGCTCCGACTCAGGCTCGACTGACCAAGAACATCGCTGGGGAAGCGCATTACTTTCTAGAAA
 CCACTCCTTAGAAGAAGAGTTTAAAGGGCAAAAGCAGCAGTGGAGTCAAGATACAGAGTTTTGGGATAAG
 ATGCAAGCAGAAATGGGAAGAAATGGCTCGGAGGAACTGGATATCTGAGAACCAAGAAGCCGAGAACCAAG
 TAACCATCTCGGCTAGTGAAGGGATATTACTTTCACTGAAAACCCCTTCAAGGACTGGCCTGGAGC
 ATTTGAAGAAGGCTTAAAAAGGCTGAAGGAAGGGGATCTGCCAGTACCATCCTGTTTCATGGAAGCAGCA
 AATCTTCAGGACCTGGAGATGCAGAGGCATGGCAGTTCCTCGGGATAACCCAGGCGGAGAAATGAAAAATG
 AACCAAGCAGCTATTGTCGCCCTCCAGAGGTGCTTAGAATTACAGCCCAACAACCTAAAAGCTTTGATGCG
 CTTGGCTGTGAGTTATACTAACACTGGCCATCAGCAGGATGCCTGTGACGCTCTGAAGAATTGGATTAAG
 CAAAATCCAAAGTACAAATACCTTGTGAAAAGCAAGAAGGGATCTCCAGGCCTCACCCGCGGATGTCTA
 AGTCCCCAGTTGATAGCTCTGTTCTGGAAGGGGTGAAGGAATTATATCTGGAAGCTGCCACCAAAATGG
 AGATATGATCGACCCAGACCTGCAGACAGGTCTAGGGTTCTGTTCCACCTGAGTGGAGAATTTAATAGA
 GCAATAGATGCATTTAACGCTGCCTTAACTGTTCCGCCAGAGGACTATTTCACTATGGAACCGCCTCGGGG
 CGACCTTGGCGAACGGAGACCGCAGCGAGGAAGCCGTGGAGGCCTATACGCGAGCACTGGAGATTCAGCC
 AGGATTCATCCGGTCCAGATAACAACCTAGGAATAAGCTGCATCAACCTGGGCGCCTACAGAGAAGCGGTC
 AGCAATTTTCTACTGCCCTCAGTTTCAAAGAAAGAGCAGGAATCAGCAGCAAGTTCCTCATCCTGCAA
 TCTCTGGGAATATCTGGGCTGCCCTCAGAATTGCGCTCTCTCTGATGGACCAACCGAAGCTTCCAGGC
 GGTAATCTTGGTACCTGGATGTCCTTAAAGAGCTTCAACTTGGATCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234593 representing NM_001256750
 Red=Cloning site Green=Tags(s)

MYQGHMVVGVTLKKKWHCLQKSDLTLALGKGSRAADKAVAMVMKEIPREESAEKPLL TMSQLVNEQQ
 ESRPLLSPSIDDFLCETKSEAIARPVTSNTAVL TTGLDLLDLSEPVSTQTKAKKSESSKTSLLKKKAD
 GSDLISTDAEQRGQPLRVPETSSLDLDIQLEKWDVVKFHGDRNTKGHPMAERKSSSRTGSKELLWSS
 EHRSQPEL SGGKSALNSE SASELELVAPTQARL TKEHRWGSALL SRNHSLEEEFERAKAAVESDTEFWDK
 MQAEWEEMARRNWI SENQEAQNQVTI SASEKGYFFHTENPFKDWP GAFEEGLKRLKEGDL PVTILFMEAA
 ILQDPGDAEAWQFLGITQAENENEQA AIVALQRCL ELQPNL KALMALAVSYTNTGHQQDACDALKNWIK
 QNPKYKYL VKSKKSPGL TRRMSKSPVDS SVLEGVKEL YLEAAHQNGMIDPDLQTGLGVL FHLSGEFNR
 AIDAFNAALT VRPEDYSLWNRLGATLANGDRSEEAVEAYTRALEIQPGF IRSRYNLGISINL GAYREAV
 SNFLTALSLQRKSRNQVPHPAISGNIWAALRIALSLMDQPEL FQAANLGDLDVLLRAFNLDP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001256750

ORF Size: 1872 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_001256750.2](#)

RefSeq Size: 9199 bp

RefSeq ORF: 1875 bp

Locus ID: 51555

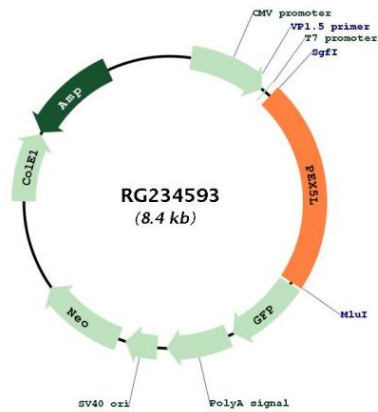
UniProt ID: [Q8IYB4](#)

Cytogenetics: 3q26.33

Protein Families: Druggable Genome

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 RG234593