

Product datasheet for **RN206606**

Pomt1 (NM_053406) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pomt1 (NM_053406) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pomt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206606 representing NM_053406
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAACCGCTCAATGGGACGCGAAGATACGCTTGGTGTCTCCCGAGCTTGCTTTTCTGCAAAATGT
 TGAGATTTTGAACGGCCTCTAGTGGTACTATTGACATCAATTTGAATTTGGTGGCTCTGACTGTCT
 GGGACTACTTACCCGTTATGGCAACTCTCTACCCTCGGGCTGTGGTTTTTATGAAGTATTACGGG
 CAGTACATCTCCTTTTACATGAAGCGTGTCTTCTCTGGATGACAGTGGACCACCGTTCCGGCCATATGC
 TGCTAGCCTTAGGAGTTGGCTAGGAGGATTCGATGGAACTTTCTGTGGAACCGAATTGGAGCAGAATA
 CAGTAGCAATGTGCTGTATGGTCTTACGCTGCTGCCGGCGTTGCTGGGGCCCTGTCAGTACCCATG
 GCCTACCAGATAGTGTGGAGCTCCACTTTCCACTGTACTGCCATGGGAGCCGCCCTGCTGATGCTCA
 TTGAGAACGCCATAACTCACTCAGTCCAGGCTCATGCTGTTGGAATCCATACTGATATTTTTAACCTCT
 GGCCGTGTGTCCTATCTGAAGTCTTCAACTCCAAACACACAGCCCTTCTCAGTGCCTGGTGGCTG
 TGCTAATGCTGACCGGAGTCTTGTCTGTGCGGTTGGGATCAAGTACATGGGCATTTTCACCTACT
 TGCTCGTGTCTCAGCATTGCAGCTGTGCATGCCTGGCACCTGATCGGAGACCAGACCTTGCAAATATCTG
 CGTGTCTCAGTCACTTGTCTCGCCAGAGCCGATGCTCTGCTGGTCTGCCGGTCTTCTGTACTTACTGTTT
 TTCTATGTCCACCTGATGTTGCTCTACCGCTCTGGGCCCCATGACCAAATCATGTCCAGTGCCTTCCAAG
 CCAGCTTGGAGGGAGGGCTAGCCCGCATACCCAAAGGCCAGCCCTAGAGGTGGCCTTTGGTTCGCGAGT
 CACTCTGAAGAGCGTCTCCGGCAAACCTTGCCTGTGGCTTTCATTGCGACAAGAACACCTATCCCATG
 ATATATGAGAATGGCCGTGGCAGCTCCCACCAGCAACAGGTGACCTGTTATCCCTCAAAGACATCAATA
 ACTGGTGGATCGTCAAGGACCTGGACGACACCAGCTGGTGGTAAACAACCCCCCAGCCCTGTGAGACA
 TGGAGACATTGTACAGCTCGTTACGGCATGACCACCGCCTGCTTAACACGCATGATGTCGCTGCCCG
 CTGAGCCCCATTCTCAAGAAGTCTCTGCTACATTGACTATAACATCTCCATGCCTGCCAGAACCTCT
 GAAACTGGACATTGTAACAGAGAGTCCAACCAGGATACCTGGAAGACTATCTTGTGAGAAGTGCCTT
 TGTGCATGTGAATACATCTGCCATCTTGAAGCTGAGCGGGGCTCACCTCCCTGACTGGGGATTTCCGCGAG
 TTGGAGGTGGTTGGGAGAAGTTGTCCCTCGGCCCCACGAGAGCATGGTATGGAATGTGGAAGAGCACC
 GCTATGGCAGAGGCCATGAGCAGAAGGAGAGGGAGCTGGAGCTCCACTCACCCACGCAGCATGATATCAG
 CAGGAACCTCAGTTCATGGCCAGATTCTCGGAGTTACAGTGAAGATGCTGACGCTGAAGAATGAGGAC
 TTAGAACCACGATACAGTCCACCCGCTGGAGTGGCTCAGCTGGACACCAACATTGCCTATTGGCTGC
 ACCCCAGGACCAGTGCCAGATCCACTTGTGGAAACATCGTGATCTGGACTTCAGCCAGCCTCGCCAC
 AGTGGCATAACCCCTACTTCTTCTGGTACCTGCTCCGCGCTCGAAGGAACATCTGTGACCTCCCTGAG
 GATGCCTGGTCCCACTGGGTGCTGGCTGGAGCCCTGTGTATTGGCGGTTGGGCACTCAACTATCTGCCCT
 TCTTCTGATGGAAGGATGCTTCTCTTACCCTACTTGGCGCCCTCACCTCCAGATCCTGCTGCT
 CCCAATCGTCATGCAGCACGCCAGCGACCATCTGTGCAGTCCCAGCTGCAGAGGAATGTCTTCACTGCC
 CTGGTGGTAGCATGGTATTCCTCTGCGTGCATGTGTCCAACATGTTACGCCCACTGACCTATGGGGACA
 CGTCACTCTACCAGGCGAGCTCCGGGCCCTTCGCTGGAAGACAGCTGGGACATTCTCATCCGAAAATA
CTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053406

Insert Size: 2244 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:	<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:	<u>NM_053406.2</u> , <u>NP_445858.1</u>
RefSeq Size:	2929 bp
RefSeq ORF:	2244 bp
Locus ID:	84430
UniProt ID:	<u>Q99PR0</u>
Cytogenetics:	3p12
Gene Summary:	human homolog is mutated in patients with Walker-Warburg syndrome, a neuronal migration disorder [RGD, Feb 2006]