

Product datasheet for **RN200326**

Prom1 (NM_021751) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prom1 (NM_021751) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prom1
Synonyms:	CD133; Prom
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200326 representing NM_021751
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTCGTATTCAGTGTCTGCTGCTACTGGGCTGTGTGGAAAGATGGCTTCAGGAGTCAAGCTG
 CATTTCGATAACACTCCCGGGCTTTGAATTATGAATTGCCTACCCACAGAATATGAGACCCAAAGACACCTT
 CAATGCTGGGATTATTGACCCTCTCTACCAAATGGTGCACATCTTCTCAACGTGGTCCAGCCGAATGAC
 TTCCCTCAAGATTTGGTCAAAAACTCATAACAGAGAGTTTACATCTCGGTTGATACCAAGGAGGTGCG
 CCATCTATGAAATGGAGTTCTTATCTGCGTCATCTGGGCTGCTGTTCAATTTCTCATGCCCTGGT
 GGGCTTCTTTTGTATGTGCCGTTGCTGTAACAAATGCGGCGGAGAAATGCACCAGCGGCAGAAGCAG
 AACGAGTCGTGCCGAGGAAGTCTTAGCCATCTCCCTCTGCTGATTTGCTGCTCATGAGTCTTGCCA
 TCGCGTTTGGCTTTGTGGCAACCAGCAGACAAGGACTCGGATCCAAAGGACCCAGAAGCTGGCAGAGAG
 CAATTACAGAGACTTGGGGCTCTCCTGACTGAAGCCCCAAAGCAAATCGACTATATTCTGGGGCAATAC
 AACACAACCAAGAACAAGGCATTCTCAGACCTGGACAGTATCGATTCCGTGCTGGGAGGCAGAATAAAGG
 GCCAACTAAAACCCAAAGTTACTCCTGTTCTCGAAGAGATTAAGGCCATGGCAACAGCCATTAGACAGAC
 CAAGGATGCCCTGCAGAACATGAGCAGCAGTCTGAAAAGTCTACGTGACGCAAGCACCCAGCTCAGTACC
 AACCTGACGTCTGTGAGAAAACAGCATCGAGAATCACTCAACAGCAACGACTGTGCTTCAGACCCAGCCA
 GCAAGATCTGTGATAGCCTCAGACCACAGCTGAGCAATCTGGGGAGCAACCACAACGGAAGTCAAGTCCC
 ATCAGTGGACAGGAACTCAACACCGTTAATGATGTCGACAGAACCGATCTGGAGAGCCTCGTCAAAAGG
 GGGTATATGTCGATTGATGAAATACCAATATGATACAAAACCAAAGTGGGATGTCATCAAAGATGTCA
 AAAAGCCTTGGATTCTGTTAGCTCCAAGTTAAGAACATGAGCCAAAGTATTCTGTGCGAGGAGTGTCA
 GCTTCAGTCTCCCACTACCTTAATGACAGCAACAGGTACATCCACGAGTCGCTGCCAGAGTGGAAAGAA
 TATGACTCATACTGGTGGCTGGGTGGCTTAATAGTCTGCTTCTGCTGACCCCTATTGTGACTTTCTTTT
 ACCTGGGCTTGTGTGGTGTGTTGGCTATGACAAGCGTGCCACCCCAACCAGAAGAGGCTGCGTGTG
 CAACACTGGAGGCATCTTCTCATGGCTGGGTTGGATTGAGTTCCTTTTTTGTGGATATTGATGATC
 CTTGTGGTCTTACTTTTGTGTTGGTGCAAATGTGAAAAGTTGCTCTGTGAACTTATGAAAACAAGA
 AATTACTACAGGTTTTGGATACTCCCTACCTGCTCAACGATCAATGGCAATCTATCTCTGTCATACT
 ACTCAAAAACCCAGACATTAACATGACCTTTGAGCAAGTCTACAGGGATTGCAAAAAGAGGTCGAGGAGT
 TATGCCACTTTTCAAGTGTGAGAATGTCTCAACATCACTGAGAATTTCAACATTGAGAGGCTTTCTGAAG
 ACATAGTGAAGGAGTTGGAAAAGCTGAATGTGAACATTGACAGCATCGAACTGTTGGACAAAACAGGAAG
 GAAGAGCCTCGAGGACTTTGCACAATCTGGGATAGATAGAATCAATTAATCCATGTACTTACAGGAGGCT
 GAGAAAACCCCTACCAAAGTGGACCTGCTGACATTTGCCTTTTTCTGGAAAACAGAAGCAAACAGTTGC
 CTGACGGAAAATCTGAAACAGGCTTCTTAATGGATGCACAGAACATTGAGCCATCCACCAGCAGCAGT
 CCCTCCTGTGCAGCAGTCACTGAATTCATTAACAAAGTGTCTGGGCCCTTAAGCAAACAAGCAGCAAG
 TTGCCGGAGGAAGTGAAGAAGTCTTGCCTCTTTGGATTCTGCTCAGCATTTCTCACCAGTAACCTCT
 CCTCCATCGTTATTGGAGAAAACAAGAAGTTGGGAGAACAAATAGGCTACTTTGAACATTATCTGCA
 ATGGGTCTGTACGCCATCACAGAGAAGATGACATCCTGCAAACCCATGATTACAGCAATGGACTCTGCT
 GTTAATGGCATTCTGTAGCTATGTTGCTGACCCCTGAACTGTTCTGGTTCGGCATAGGAAAAGCCCA
 CCATGCTCTTACTTCCGCTGTAATCATCGCTATCAAGTTGGCCAAGTACTATCGCAGGATGGATTGAGA
 GGATGATATGATGATGTTGAGACTGTACCCATGAAAAATTTGGAAAACGGTAGTAATGGTTATCATAAA
 GATCATTTATATGGTGTTCACAATCCTGTTATGACAAGCCGCTCGATACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2299_a04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_021751

Insert Size:	2574 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	NM_021751.2 , NP_068519.2
RefSeq Size:	3714 bp
RefSeq ORF:	2574 bp
Locus ID:	60357
Cytogenetics:	14q21
Gene Summary:	<p>induces expression of 3-phosphate glyceraldehyde dehydrogenase (GAPDH); may play a role in glucose homeostasis [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>