

Product datasheet for **SC332986**

PROX1 (NM_001270616) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PROX1 (NM_001270616) Human Untagged Clone
Tag:	Tag Free
Symbol:	PROX1
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332986 representing NM_001270616.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCTGACCATGACAGCACAGCCCTCTTAAGCCGGCAAACCAAGAGGAGAAGAGTTGACATTGGAGTG
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GAGTAG
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001270616

Insert Size: 2214 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_001270616.1</u>
RefSeq Size:	8505 bp
RefSeq ORF:	2214 bp
Locus ID:	5629
UniProt ID:	<u>Q92786</u>
Cytogenetics:	1q32.3
Protein Families:	Embryonic stem cells, ES Cell Differentiation/IPS
MW:	83.2 kDa
Gene Summary:	<p>The protein encoded by this gene is a member of the homeobox transcription factor family. Members of this family contain a homeobox domain that consists of a 60-amino acid helix-turn-helix structure that binds DNA and RNA. The protein encoded by this gene is conserved across vertebrates and may play an essential role during development. Altered levels of this protein have been reported in cancers of different organs, such as colon, brain, blood, breast, pancreas, liver and esophagus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>