

## Product datasheet for **SC331783**

### **PITRM1 (NM\_001242309) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PITRM1 (NM_001242309) Human Untagged Clone
Tag:	Tag Free
Symbol:	PITRM1
Synonyms:	MP1; PreP
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC331783 representing NM\_001242309.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCGCAATGTGGCGCTGCGGCGGGCGGCAGGGCCTGTGTGTGCTGAGGCGGCTGAGCGGCGGGTGACA
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242309  
**Insert Size:** 2820 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001242309.1</a>
<b>RefSeq Size:</b>	3198 bp
<b>RefSeq ORF:</b>	2820 bp
<b>Locus ID:</b>	10531
<b>UniProt ID:</b>	<a href="#">Q5JRX3</a>
<b>Cytogenetics:</b>	10p15.2
<b>Protein Families:</b>	Druggable Genome, Protease
<b>MW:</b>	106.1 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is an ATP-dependent metalloprotease that degrades post-cleavage mitochondrial transit peptides. The encoded protein binds zinc and can also degrade amyloid beta A4 protein, suggesting a possible role in Alzheimer's disease. [provided by RefSeq, Dec 2016]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. These differences cause translation initiation at an alternate AUG and results an isoform (3) with a distinct N-terminus, compared to isoform 1. The encoded protein likely does not localize to the mitochondrion. 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>