

Product datasheet for SC328135

PET100 (NM_001171155) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PET100 (NM_001171155) Human Untagged Clone
Tag:	Tag Free
Symbol:	PET100
Synonyms:	C19orf79; MC4DN12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328135 representing NM_001171155. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGGGGTGAAGCTGGAGATATTCGGATGATAATCTACCTCACTTCCCTGTGGCTATGTTCTGGGTT
 TCCAATCAGGCCGAGTGGTTTGAGGACGATGTCATACAGCGCAAGAGGGAGCTGTGGCCACCTGAGAAG
 CTTCAAGAGATAGAGGAATCAAAGAGAGGTTACGGAAGCGGGGAGGAGAAGCTCCTCGCGACGCC
 CAGCAGAACTCCTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001171155
Insert Size:	222 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.


[View online »](#)

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_001171155.1</u>
RefSeq Size:	349 bp
RefSeq ORF:	222 bp
Locus ID:	100131801
UniProt ID:	<u>P0DJ07</u>
Cytogenetics:	19p13.2
MW:	9.1 kDa
Gene Summary:	<p>Mitochondrial complex IV, or cytochrome c oxidase, is a large transmembrane protein complex that is part of the respiratory electron transport chain of mitochondria. The small protein encoded by this gene plays a role in the biogenesis of mitochondrial complex IV. This protein localizes to the inner mitochondrial membrane and is exposed to the intermembrane space. Mutations in this gene are associated with mitochondrial complex IV deficiency. This gene has a pseudogene on chromosome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.</p>