

## Product datasheet for **SC323961**

### Pescadillo (PES1) (NM\_014303) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pescadillo (PES1) (NM_014303) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pescadillo
Synonyms:	NOP7; PES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_014303.2  
 CCACGCGTCCGGGAAGTGGAGCTCCCTGTACGCGCGGCCCTAGTCGGCTCCTCAACGTGG  
 AGCGATGGGAGGCCTTGAGAAGAAGAAGTATGAACGAGGCTCGGCCACCAACTACATCAC  
 CCGGAACAAGCCCGGAAGAAGCTCCAGCTGAGCTTGGCTGACTTTAGGCGGCTGTGCAT  
 TCTGAAGGCATTTATCCCATGAACCCAAACACAAGAAGAAGGTTAAACAAGGTTCTAC  
 AGCAGCCCGAACGTTTTACCTTATCAAAGACATCAGGTTTTCTCCTCCACGAACCCATTGT  
 CAACAAGTTCGGTGAATACAAGGTGTTTCGTCCGGAAGCTCCGGAAGGCTTATGGGAAGAG  
 CGAGTGGAACTGTAGAGCGTTTTAAAGGACAATAAGCCCAACTACAACTCGACCACAT  
 CATCAAGGAACGGTATCCACGTTTCATCGATGCCCTGCGGGACCTGGACGATGCCCTCTC  
 CATGTGCTTCTGTTTTCCACCTTCCCAGGACTGGCAAGTCCACGTCAGACCATTCA  
 GCTGTGCCCGGCTCACTGTGGAGTTCATGACTACATTATCGCTGCCCGTGCCTGCG  
 CAAGGTCTTCTGTCCATCAAAGGCATTTACTACCAGGCCGAGGACTGGGGCAGCCAT  
 CGTGTGGATCACTCCCTATGCCTTCTCCATGACCACCCGACAGAGCTGGACTACAGGT  
 CATGGCCACCTTACCGAGTTCTACACCAGCTGCTGGGCTTTGTCAACTCCGCCTTTA  
 CCAGTTGTCAACCTCCACTATCCCCGAAGCTCGAGGGTCAGGCCAAGCAGAGGCAAA  
 GGCCGGTGAAGGCACCTACGCGTTGGACTCCGAGAGTTGTATGGAGAACTGGCAGCCCT  
 CAGTGCCAGCCTGGCCCGCTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGA  
 GTTTCCCACCGATGGGAGATGTCAGCGCAGGAGGAAGACCCGAGGAAGGAGCTGGAGGC  
 GCAGGAGAAGCACAAGAAGCTTTTTGAGGGCTGAAGTCTTCTCCTGAACCGAGAGGTGCC  
 CCGTGAGGCCCTGGCCTTATCATCAGGAGTTTTGGTGGGGAAGTGTCTGGGACAAATC  
 TTTGTGATTGGGGCCACCTATGACGTCACAGACTCCCGCATCACCCATCAGATTGTGCA  
 CCGGCTGGGCAGCAGACCTCAGTCATTGGCAGGTGCTACGTGCAGCCCCAGTGGGTGTT  
 TGACTCAGTGAACGCCAGGCTCCTTCTCCCCGTGGCAGAGTACTTCTCTGGGGTGCAGCT  
 GCCCCACACCTTTCACCTTTGTGACCAGAGAAGGAAGGAGATTACGTTCCACCTGAGAA  
 GCTGAAGCTGCTGGCTCTGCAGCGGGGAGAGGACCCAGGAAACCTGAATGAGTCAGAAGA  
 GGAGGAGGAAGAGGACGACAACAACGAAGGTGATGGTGAAGAGGGAGAAAATGAGGA  
 GGAGGAGGAAGATGCAGAGGCTGGTTCAGAAAAGGAGGAAGAGGCCCGGCTGGCAGCCCT  
 GGAAGAGCAGAGGATGGAGGGGAAGAAGCCAGGGTATGGCAGGCACCTTGAAGCTGGA  
 GGATAAGCAGCGGCTGGCCAGGAGGAGAGTGAAGCCAGCGCTGGCCATTATGAT  
 GATGAAGAAGCGGAGAGTACCTGTACCAGAAGATCATGTTTGGCAAGAGGCGAAAAAT  
 CCGAGAGGCCAACAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTGAGGTCTGA  
 GAAGAAGGCCAAGAAGGCAAGGCCGAGTGAAGTGCCTGCGGCCCTCACAGGGCTGAGGC  
 CAGCCCTAGCAGCTGGATGTGGCAGAGGCAGGCCAGAGGACCTAAGTGTGATGGACCAG  
 AGTCACTTCTCCTCCTCTTTCTCCAGCCAGCCCTGACCCCTCATGCTCTCTGGCTGGGC  
 CAGTGGGCAGCCCTCGCTTCCCTTGGATGGAGCTGCCCTGCTGGTGCCTGGTCAGAGAAG  
 AGGCCTCTGTGCCAGCTGATTCTCTGCTCCAGGAGCCAGTGACATGAGGTGCAGAGG  
 CCCACCCAGCCCCCTACCTACTGCCCCATTATCCTGGCTTTCCACAGCCCCCTCCCAC  
 ACAGTTGGACCCGTGATTCTCAGGGTGTGTGATGGGGTGAAGGTAGGGGAGCATTGTG  
 TATTAATGACTGGACTTTTGTGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_014303

**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).

<b>OTI Annotation:</b>	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.
<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_014303.2</a> , <a href="#">NP_055118.1</a>
<b>RefSeq Size:</b>	2279 bp
<b>RefSeq ORF:</b>	1767 bp
<b>Locus ID:</b>	23481
<b>UniProt ID:</b>	<a href="#">O00541</a>
<b>Cytogenetics:</b>	22q12.2
<b>Domains:</b>	BRCT
<b>Gene Summary:</b>	<p>This gene encodes a nuclear protein that contains a breast cancer associated gene 1 (BRCA1) C-terminal interaction domain. The encoded protein interacts with BOP1 and WDR12 to form the PeBoW complex, which plays a critical role in cell proliferation via pre-rRNA processing and 60S ribosomal subunit maturation. Expression of this gene may play an important role in breast cancer proliferation and tumorigenicity. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Pseudogenes of this gene are located on the long arm of chromosome 4 and the short arm of chromosome 9. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>