

Product datasheet for **SC331972**

Pescadillo (PES1) (NM_001243225) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pescadillo (PES1) (NM_001243225) Human Untagged Clone
Tag: Tag Free
Symbol: Pescadillo
Synonyms: NOP7; PES
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331972 representing NM_001243225.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGAGGCTTGAGAAGAAGAAGTATGAACGAGGCTCGGCCACCAACTACATCACCCGGAACAAAGCC
CGGAAGAAGCTCCAGCTGAGCTTGGCTGACTTTAGGCGGCTGTGCATTCTGAAGGGCATTATCCCCAT
GAACCCAAACACAAGAAGAAGGTTAACAAAGGTTCTACAGCAGCCGAACGTTTTACCTTATCAAAGAC
ATCAGGTTTCTCCTCCACGAACCCATTGTCAACAAGTTCCGTGAATACAAGGTGTTTCGTCGGAAGCTC
CGGAAGGCTTATGGGAAGAGCGAGTGGAACACTGTAGAGCGTTTAAAGGACAATAAGCCCAACTACAAA
CTCGACCACATCAAGGAACGGTATCCCACGTTTCATCGATGCCCTGCGGGACCTGGACGATGCCCTC
TCCATGTGCTTCCGTGTTTCCACCTTCCCGCGGACTGGCAAGTGCCACGTGCAGACCATTAGCTGTGC
CGCCGGCTCACTGTGGAGTTCATGCACTACATTATCGCTGCCCGTGCCCTGCGCAAGGTCTTCTGTCC
ATCAAAGGCATTTACTACCAGGCCGAGGTACTGGGGCAGCCCATCGTGTGGATCACTCCCTATGCCTTC
TCCCATGACCACCCGACAGAGCTGGACTACAGGGTTCATGGCCACCTTACCGAGTTCTACACCACGCTG
CTGGGCTTTGTCAACTTCCGCCTTACCAGTTGCTCAACTCCACTATCCCCGAAGCTCGAGGGTCAG
GCCAAGCAGAGGCAAAGGCCGGTGAGGGCACCTACGCGTTGGACTCCGAGAGTTGTATGGAGAACTG
GCAGCCCTCAGTGCCAGCCTGGCCCGCTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGAG
TTTCCCACCGATGGGGAGGAAGACCGCAGGAAGGAGCTGGAGGGCAGGAGAAGCACAAGAAGCTTTTT
GAGGGCCTGAAGTTCTTCTGAACCGAGAGGTGCCCGTGAGGCCCTGGCCTTCATCATCAGGAGTTTT
GGTGGGGAAGTGTCTTGGGACAAATCTTTGTGCATTGGGGCCACCTATGACGTCACAGACTCCCGCATC
ACCCATCAGATTGTCGACCGGCTGGGCAGCAGACCTCAGTCATTGGCAGGTGCTACGTGCAGCCCCAG
TGGGTGTTTGACTCAGTGAACGCCAGGCTCCTTCTCCCGTGCCAGAGTACTTCTCTGGGGTGCAGCTG
CCCCACACCTTTCACCTTTGTGACCGAGAAGGAAGGAGATTACGTTCCACCTGAGAAGCTGAAGCTG
CTGGCTCTGCAGCGGGGAGAGGACCCAGGAAACCTGAATGAGTCAGAAGAGGAGGAGGAAGAGGACGAC
AACACGAAGGTGATGGTATGAAGAGGGAGAAAATGAGGAGGAGGAGGAAGATGCAGAGGCTGGTTCA
GAAAAGGAGGAAGAGGCCCGGCTGGCAGCCCTGGAAGAGCAGAGGATGGAGGGGAAGAAGCCAGGGTG
ATGGCAGGCACCTTGAAGCTGGAGGATAAGCAGCGGCTGGCCAGGAGGAGAGTGGAGCCAAGCGC
CTGGCCATTATGATGATGAAGAAGCGGGAGAAGTACCTGTACCAGAAGATCATGTTTGGCAAGAGCGCA
AAAATCCGAGAGGCCAACAAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTGAGGTCTGAGAAG
AAGGCCAAGAAGGCAAGGCCGGAGTGA
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Restriction Sites: Sgfl-RsrII



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ACCN:	NM_001243225
Insert Size:	1752 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_001243225.1</u>
RefSeq Size:	2297 bp
RefSeq ORF:	1752 bp
Locus ID:	23481
UniProt ID:	<u>O00541</u>
Cytogenetics:	22q12.2
MW:	67.5 kDa
Gene Summary:	<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 (3) uses an alternate splice site in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>