

Product datasheet for SC336194

Pescadillo (PES1) (NM_001282327) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pescadillo (PES1) (NM_001282327) Human Untagged Clone
Tag:	Tag Free
Symbol:	Pescadillo
Synonyms:	NOP7; PES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336194 representing NM_001282327. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGCTTCTGTTCACCTCCCGCGGACTGGCAAGTGCCACGTGCAGACCATTAGCTGTGCCGC
CGGCTCACTGTGGAGTTCATGCACTACATTATCGCTGCCCGTGCCTGCGCAAGGTCTTCTGTCCATC
AAAGGCATTTACTACCAGGCCGAGGACTGGGGCAGCCATCGTGTGGATCACTCCCTATGCCTTCTCC
CATGACCACCCGACAGACGTGGACTACAGGGTCATGGCCACCTTACCGAGTTCTACACCACGCTGCTG
GGCTTTGTCAACTTCGCTTTACCAGTTGCTCAACCTCCACTATCCCCGAAGCTCGAGGGTCAGGCC
CAAGCAGAGGCAAAGGCCGGTGAGGGCACCTACGCGTTGGACTCCGAGAGTTGTATGGAGAACTGGCA
GCCCTCAGTGCCAGCCTGGCCCGCGTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGAGTTT
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AAGAAGCTTTTTGAGGGCCTGAAGTTCTTCTGAAACCGAGAGGTGCCCGTGAGGGCCTGGCCTTCATC
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GACTCCCGCATCACCCATCAGATTGTCGACCGGCTGGGCAGCAGACCTCAGTCATTGGCAGGTGCTAC
GTGCAGCCCCAGTGGGTGTTGACTCAGTGAACGCCAGGCTCCTTCTCCCGTGGCAGAGTACTTCTCT
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AAGCTGAAGCTGCTGGCTCTGCAGCGGGGAGAGGACCCAGGAACTGAATGAGTCAGAAGAGGAGGAG
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GAGGCCAAGCGCCTGGCCATTATGATGATGAAGAAGCGGGAGAAGTACCTGTACCAGAAGATCATGTTT
GGCAAGAGGCGAAAAATCCGAGAGGCCAACAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTG
AGGTCTGAGAAGAAGGCCAAGAAGGCAAGGCCGGAGTGA
AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTAA
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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001282327
Insert Size:	1350 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_001282327.1</u>
RefSeq Size:	2710 bp
RefSeq ORF:	1350 bp
Locus ID:	23481
Cytogenetics:	22q12.2
MW:	51.5 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 (2) represents use of an alternate promoter and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG, and the resulting isoform (3) has a shorter N-terminus compared to isoform 1. Variants 2 and 4 encode the same protein (isoform 3).</p>