

Product datasheet for **RC238300**

Pescadillo (PES1) (NM_001282327) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pescadillo (PES1) (NM_001282327) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pescadillo
Synonyms:	NOP7; PES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC238300 representing NM_001282327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTGCTTCTGTTCACCTTCCCGCGGACTGGCAAGTGCCACGTGCAGACCATTAGCTGTGCCGCC
 GGCTCACTGTGGAGTTCATGCACTACATTATCGCTGCCCGTGCCTGCGCAAGGTCTTCCTGTCCATCAA
 AGGCATTTACTACCAGGCCGAGGTACTGGGCGAGCCCATCGTGTGGATCACTCCCTATGCCTTCTCCCAT
 GACCACCCGACAGACGTGGACTACAGGGTCATGCCACCTTCACCGAGTTCTACACCACGCTGCTGGGCT
 TTGTCAACTTCCGCCTTACCAGTTGCTCAACCTCCACTATCCCCGAAGCTCGAGGGTCAGGCCCAAGC
 AGAGGCAAAGGCCGTGAGGGCACCTACGCTTGGACTCCGAGAGTTGTATGGAGAACTGGCAGCCCTC
 AGTGCCAGCCTGGCCCGCTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGAGTTTCCACCG
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 TTTTGAGGGCCTGAAGTTCTTCTGAACCGAGAGGTGCCCGTGAGGCCCTGGCCTTCATCATCAGGAGT
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 CCCCCACACCTTTCACCTTTGTGACCGAGAAGGAAGGAGATTACGTTCCACCTGAGAAGCTGAAGCTGC
 TGGCTCTGCAGCGGGGAGAGGACCCAGGAACTGAATGAGTCAGAAGAGGAGGAGGAAGAGGACGACAA
 CAACGAAGGTGATGGTATGAAGAGGGAGAAAAAGGAGGAGGAGGAAGATGCAGAGGCTGGTTCAGAA
 AAGGAGGAAGAGGCCCGCTGGCAGCCCTGGAAGAGCAGAGGATGGAGGGGAAGAAGCCAGGGTGATGG
 CAGGCACCTTGAAGCTGGAGGATAAGCAGCGGCTGGCCAGGAGGAGAGAGTGAGGCCAAGCGCCTGGC
 CATTATGATGATGAAGAAGCGGAGAGTACCTGTACCAGAAGATCATGTTTGGCAAGAGGCGAAAAATC
 CGAGAGGCCAACAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTGAGGTCTGAGAAGAAGGCCA
 AGAAGGCAAGGCCGAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238300 representing NM_001282327
 Red=Cloning site Green=Tags(s)

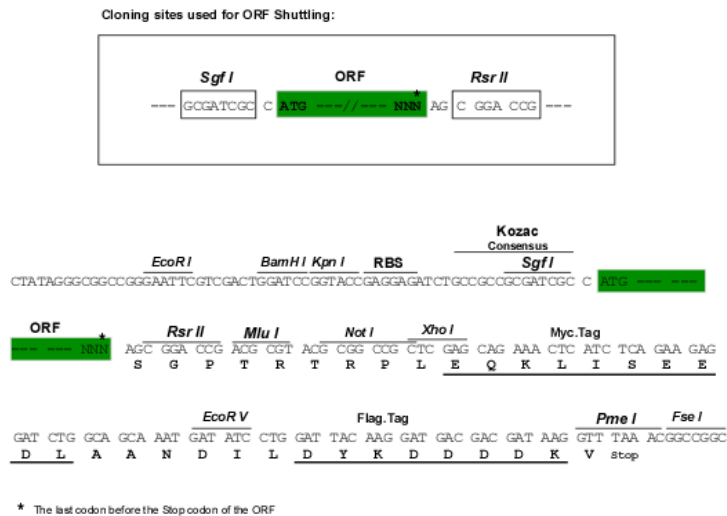
MCFLFSTFPRTGKCHVQTIQLCRRLTVEFMHYIIAARLRKVFLSIKGIYYQAEVLGQPIVWITPYAFSH
 DHPTDVDYRVMTFTFYTLLGFVNFRLYQLNLHYPPKLEGQAQAEAKAGEGTYALDSESCMEKLAAL
 SASLARVVVPATEEEAEVDEFPTDGEMSAQEEDRRKELEAQEKHKLFEGLKFFLNREVPREALAFIIRS
 FGGEVSWDKSLCIGATYDVTDNRITHQIVDRPGQTSVIGRCYVQPQWVFDVSVNARLLLPAEYFSGVQL
 PPHLSPFVTEKEGDYVPEKLKLLALQRGEDPGLNESEEEEEEDDNEGDGDEEGENEEEEAEAGSE
 KEEEARLAALQRMGKPRVMAGTLKLEDKQRLAQEEEESEAKRLAIMMMKKREKYLYQKIMFGKRRI
 REANKLAEKRAHDEAVRSEKKAKKARPE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:



ACCN: NM_001282327

ORF Size: 1347 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001282327.1](#), [NP_001269256.1](#)

RefSeq Size: 2710 bp

RefSeq ORF: 1350 bp

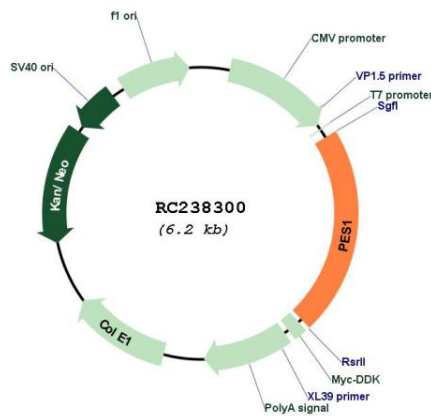
Locus ID: 23481

Cytogenetics: 22q12.2

MW: 51.9 kDa

Gene Summary: 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]

Product images:



Circular map for RC238300