

Product datasheet for **RG238300**

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:	TurboGFP
Symbol:	Pescadillo
Synonyms:	NOP7; PES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238300 representing NM_001282327. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGTGCTTCTGTTTTCCACCTTCCCGCGGACTGGCAAGTGCCACGTGCAGACCATTCAGCTGTGCCGC
 CGGCTCACTGTGGAGTTCATGCACTACATTATCGCTGCCCGTGCCCTGCGCAAGTCTTCTGTCCATC
 AAAGGCATTTACTACAGGCCGAGGTACTGGGGCAGCCCATCGTGTGGATCACTCCCTATGCCTTCTCC
 CATGACCAACCGACAGAGCTGGACTACAGGGTCATGGCCACCTTACCGAGTTCTACACCACGCTGCTG
 GGCTTTGTCAACTTCCGCTTTACAGTTGCTCAACCTCCACTATCCCCGAAGCTCGAGGGTCAGGCC
 CAAGCAGAGGCAAAGGCCGGTGAGGGCACCTACGCGTTGGACTCCGAGAGTTGTATGGAGAACTGGCA
 GCCCTCAGTGCCAGCCTGGCCCGCTGGTGGTGCCTGCCACAGAGGAGGAGGCCGAGGTGGATGAGTTT
 CCCACCGATGGGGAGATGTCAAGCAGGAGGAAGACCGCAGGAAGGAGCTGGAGGCGCAGGAGAAGCAC
 AAGAAGCTTTTTGAGGGCCTGAAGTTCTTCTGAACCGAGAGGTGCCCGTGAGGCCCTGGCCTTCATC
 ATCAGGAGTTTTGGTGGGAAGTGTCTGGGACAAATCTTTGTGATTGGGGCCACCTATGACGTCACA
 GACTCCCGCATCACCATCAGATTGTGACCGGCTGGGCAGCAGACCTCAGTCATTGGCAGGTGCTAC
 GTGCAGCCCCAGTGGGTGTTTACTCAGTGAACGCCAGGCTCCTTCTCCCGTGCCAGAGTACTTCTCT
 GGGGTGCAGCTGCCCCCACCTTTACCTTTGTGACCGAGAAGGAAGGAGATTACGTTCCACCTGAG
 AAGCTGAAGCTGCTGGCTCTGCAGCGGGAGAGGACCCAGGAACTGAATGAGTCAGAAGAGGAGGAG
 GAAGAGGACGACAACAACGAAGGTGATGGTGATGAAGAGGGAGAAAATGAGGAGGAGGAGGAAGATGCA
 GAGGCTGGTTCAGAAAAGGAGGAAGAGGCCCGGCTGGCAGCCCTGGAAGAGCAGAGGATGGAGGGGAAG
 AAGCCAGGGTGATGGCAGGCACCTTGAAGCTGGAGGATAAGCAGCGGCTGGCCAGGAGGAGGAGT
 GAGGCCAAGCGCCTGGCCATTATGATGATGAAGAAGCGGGAGAAGTACCTGTACCAGAAGATCATGTTT
 GGCAAGAGGCGAAAAATCCGAGAGGCCAACAAGCTGGCGGAGAAGCGGAAAGCCACGATGAGGCGGTG
 AGGTCTGAGAAGAAGGCCAAGAAGGCAAGGCCGGAG
 AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

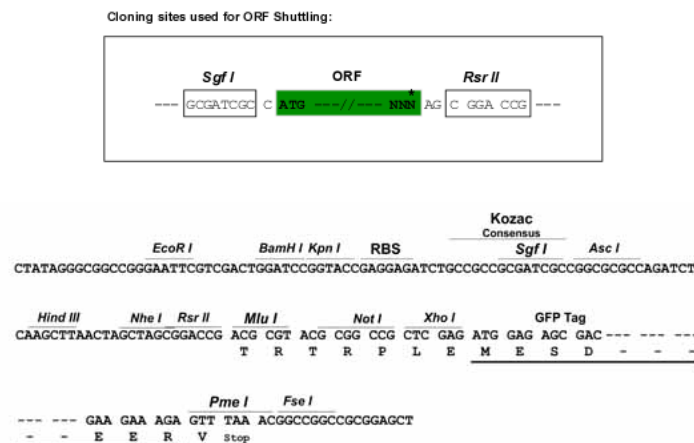

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Protein Sequence: >Peptide sequence encoded by RG238300
Blue=ORF Red=Cloning site Green=Tag(s)

MCFLFSTFPRTGKCHVQTIQLCRRLTVEFMHYIIAARLRKVFLSIKGIYYQAEVLGQPIVWITPYAFS
HDHPTDVDYRVMATFTEFYTTLLGFVNRLYQLNLHYPPKLEGQAQAEAKAGEGTYALDSESCMEKLA
ALSASLARVVVPATEEEAEVDEFPTDGEMSAQEEDRRKELEAQEKHKLFEGLKFFLNREVPREALAFI
IRSFGEVSWDKSLCIGATYDVTSRITHQIVDRPGQTSVIGRCYVQPQWVFDVSNARLLLPAVEYFS
GVQLPPHLSPFVTEKGDYVPEKLKLLALQRGEDPGLNLESEEEEEEDNNEGDDGDEEGENEEEEEDA
EAGSEKEEEARLAALQEQMEGKKPRVMAGTLKLEDKQLAQEESEAKRLAIMMMKKREKYLQKIMF
GKRRKIREANKLAEKRAHDEAVRSEKKAKKARPE
SGPTRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLL
SHVMGYGYFHFYTYPGYPENPFLHAINNGGYTNTRIEKYEDGVLHVSFSYRYEAGRVIGDFKVMGTGF
PEDSVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFSAIHPSILQNGGP
MFAFRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_001282327

ORF Size: 1369 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.

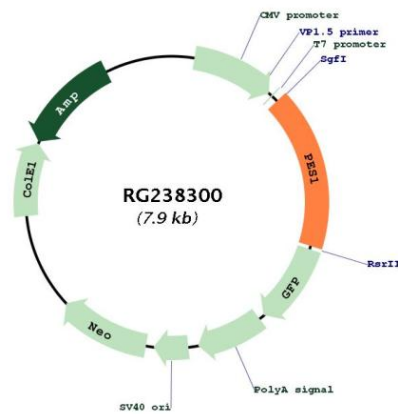
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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 RG238300