

Product datasheet for **RR202890**

Pold3 (NM_001024750) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Pold3 (NM_001024750) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Pold3
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR202890 representing NM_001024750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAACAGCTGTATCTAGAAAACATAGACGAGTTCGTACGGACAAAACAAGATCGTGACTTACA
 AATGGCTAAGCTATACACTGGGAGTTCATGTTAACCGCCAAACAGATGCTCTATGAATATGTTGAAAG
 GAAACGGAAGGAAAATTCGGGAGCTCAGCTGCATGTTACCTACTTGGTGTCTGGCAGCTTATACAGAAT
 GGACATTCCTGCCACAAGTTGCAGTAGTGAGAGAAGATAGACTGGAAGCAGTGAAGTCCAAGTTAGCTG
 TGACTGCCAGCATCCATGTGTACAGCATCCAGAAAGCTATGCTAAAGGACAGTGGGCCTCTGTTCAATAC
 CGACTATGACATCCTTAAAAGCAATTTGCAGAAGTGCAGCAAGTTTAGTGCCATACAGTGTGCAGCTGCT
 GTCCCCAGAGCTCCTGCAGAATCCTCATCTCCAGAAAGTTTGGCAATCAAATCTTCAGGCAGCAAGTG
 AGACACAAGCCAGTGAGCTGACTACCAATGGCCATGGTCCACCTGCCTCCAAACAGGCTTCCAGCAGCC
 CAAAGGAATTATGGGAATGTTAATCTCTAAAGCTGCTACTAAAACCAAGACACCAACAAGGACACCAAA
 ACAGAAGCCCAGAAAGTAACAAGTGCATCTTCCGCTGGGGCAAAGCACCAGGAAAAGGGAATGTGATGA
 GCAACTTTTTTGGAAAAGCCGCATGAGTAAACTTAAAGTCAATTTGGATTGAGAAACAAGCAGTAAAGGA
 AGAAAAACAGTGGAGCAACCTCCAGTGTCTGCTGTAACCAAGCTGGCAGCTCCCCAGCTCTGAAG
 AAATCCAGCAGAAAGTCAGAGCCTGTGAAGATGCAGCAGAAAGGAAAAAAGTGCAGGGGCAAGCGAGTAG
 ACTTATCTGATGAGGAAGCAAAGGAAACCGAAAACCTGAAGAAAAAGAGGAGAAGGATCAAGCTTCTCA
 GTCCGATAGCAGTGAAGATGAAGTCTTCGAGACTCTCCTGAGATGTTTGAAGCAGTCTCACCATCTCCA
 CCTCCTGCATCTCCACCTCCTGATCCTGTGCCAAAAACTGAGCCCCCTCCTGTCAAGCGCTCAAGTGGAG
 AAAACAAAAGAAAACGAAAGCGTGTACTGAAATCTAAAACCTTTGTGGATGAAGAAGGCTGCATGGTGAC
 TGAGAAAGTCTATGAGAGTGAGTCTGCACAGACAGTGAAGGAGGAGACGAAGATGAAGTGGCCTCAGCA
 CAAAGACCCCCTGCTGCCACTGTGAAACGGGAGCCAGAGAAGAACGGAAGGGTCCCAAGAAAGGGGCTG
 CTGCTCTGGGCAAAGCCAACAGACAAGTTCCATTACTGGCTTCTCCAGAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202890 representing NM_001024750
 Red=Cloning site Green=Tags(s)

MAEQLYLENIDFVTDQNKIVTYKWL SYTLGVHVNQAKQMLYEYVERKRKENSQAQLHVTYL VSGSLIQN
 GHSCHKVAVVREDRLEAVKSKLAVTASIHVYSIQKAMLKDSGPLFNTDYDILKSNLQNC SKFS AIQCAA
 VPRAPAESSSSRKFEQSNLQAASETQASELTTNGHGPPASKQASQPKGIMGMLISKAATKTQDTNKDTK
 TEAREVTSASSAGGKAPGKGNVMSNFFGKAAMSKLVNLDSEQAVKEEKTVEQPPVSAEPKLAAPPALK
 KSSRKSEPVKMQQKEKKCRGKRVLD.SDEEAKETENLKKKRRRIKLPQSDSSEDEVFADSPMF EAVSPSP
 PPA SPPDPVPKTEPPPVKRSSGENKRKRKRVLKS KTFVDEEGCMVTEKYYESESCTDSEETKMKMASA
 QRPPAATVKREPREERKGPKKGAALGKANRQVSITGFFQKK

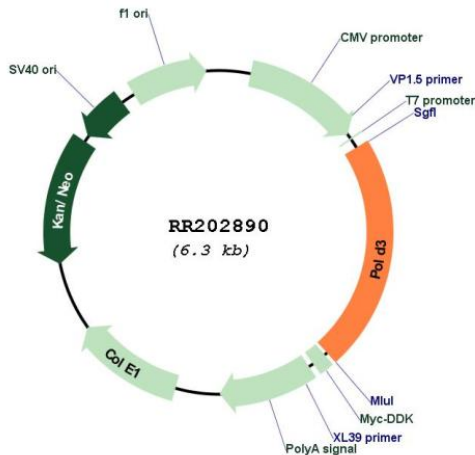
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001024750
ORF Size:	1386 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:	<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:	NM_001024750.1 , NP_001019921.1
RefSeq Size:	1743 bp
RefSeq ORF:	1389 bp
Locus ID:	293144
Cytogenetics:	1q32
MW:	50.8 kDa