

Product datasheet for **RN215530**

Polb (NM_017141) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polb (NM_017141) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Polb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN215530 representing NM_017141 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAGCAAACGCAAGGCCCGCAGGAGACCCTCAACGGCGGCATCACGGACATGCTCGTGGAACTCGCAA
ACTTTGAGAAGAACGTGAGCCAGGCGATCCACAAGTACAATGCATACAGAAAAGCAGCATCTGTGATAGC
AAAGTACCCACACAAAAACAAGAGTGGAGCAGAAGCTAAGAAATTGCCAGGAGTAGGAACAAAAATTGCT
GAAAAGATTGATGAATTTTAGCAACTGAAAAATTGCGTAAACTGAAAAAGATTGCTCAGGATGATACAA
GTTTCATCCATCAACTTCCTGACTCGAGTTACTGGCATCGGGCCATCTGCTGCAAGGAAGCTTGATAGTA
AGGAATTAACATTAGAAGATCTCAGGAAAAATGAAGATAAATTGAACCACCATCAGCGAATTGGGCTG
AAATATTTGAGGACTTTGAAAAGAGAATTCCTCGTGAGGAGATGCTGCAATGCAGGACATTGTTCTTA
ATGAAGTTAAAAAGCTGGATCCCGAGTACATCGCTACAGTCTGCGGCAGTTTCCGAAGAGGCGCAGAGTC
CAGTGGAGATATGGACGTTCTGCTGACCCACCAAACTTCACGTCAGAATCAAGCAAACAGCCAAAGTTG
TTACATCGTGTTGTGGAACAGTTACAAAAAGTCCGTTTCATTACAGATACTCTGTCAAAGGGTGAGACAA
AGTTCATGGGTGTTGCCAGCTCCAGCGAGAATGATGAAAACGAATATCCACACAGGAGAATCGATAT
CAGGTTGATCCCAAAGATCAGTACTACTGTGGTGTCTCTACTTCACTGGAAGTGACATCTTTAATAAG
AATATGAGAGCGCATGCCTGAAAAAGGCTTCACAATCAATGAGTACACCATCCGCCCCCTGGGGGTCA
CTGGGGTGTGGGGAGCCCTCCGGTGGACAGCGAGGACATTTTCGATTACATCCAGTGGCGCTA
CCGGGAGCCCAAGGACAGGAGTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_017141
Insert Size:	1008 bp



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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:	NM_017141.2 , NP_058837.2
RefSeq Size:	1196 bp
RefSeq ORF:	1008 bp
Locus ID:	29240
UniProt ID:	P06766
Cytogenetics:	16q12.5
Gene Summary:	plays a role in DNA repair and bypass of pyrimidine dimers produced by UV-irradiation; also involved in base-excision repair [RGD, Feb 2006]