

Product datasheet for **MC209200**

Polb (NM_011130) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polb (NM_011130) Mouse Untagged Clone
Tag: Tag Free
Symbol: Polb
Synonyms: A430088C08Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209200 representing NM_011130
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCAAACGCAAGGCGCCGAGGAGACCCTCAACGGCGGCATCACGGACATGCTCGTGGAACTCGCAA
ACTTTGAGAAGAAGCTGAGCCAGGCGATCCACAAGTACAATGCGTACAGAAAAGCGGCATCTGTGATAGC
CAAGTACCCACACAAAATCAAGAGCGGAGCGGAAGCTAAGAACTGCCAGGAGTAGGAACAAAAATTGCT
GAAAAGATTGATGAATTTTAGCAACTGAAAAATTGCGTAACTGGAAAAGATTGCTCAAGATGATACAA
GTTTCATCCATCAATTTCTGACTCGAGTTACTGGCATTGGACCATCTGCTGCAAGGAAGTTGTAGATGA
AGGAATTAAGACATTAGAAGATCTCAGGAAAAATGAAGATAAACTGAACCATCATCAACGAATTGGGCTG
AAATATTTGAGGACTTTGAAAAGAGAATTCCTCGTGAGGAAATGCTGCAGATGCAGGATATTGTA
ATGAAATTAAGGAGTGGACTCTGAGTACATTGCTACAGTCTGTGGCAGTTTCAGAAGAGGCGCAGAGTC
GAGTGGAGACATGGATGTCCTGCTGACCCACCCAACTCACGTCAGAATCCAGCAAACAGCCAAAGTTG
TTACATCGTGTGTGGAACAGTTACAAAAGTCCATTTTACAGATACTCTGTCAAAGGTGAAACAA
AGTTTCATGGGTGTTGCCAGCTTCCAGCGAGAAGGATGGAAGGAATATCCACACAGGAGAATCGATAT
CAGGTTGATCCCAAAGATCAGTACTACTGTGGTCTCTACTTCACTGGGAGTGACATCTTTAATAAG
AACATGAGAGCGCACGCCCTGAAAAAGGCTTCACAATCAATGAGTACACCATCCGCCCCCTGGGGTCA
CTGGAGTCGCTGGGGAGCCCTTCTGTGGACAGTGAAGGACATTTTTGATTACATCCAGTGGCGCTA
CCGGGAGCCCAAGGATAGAAGTGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011130



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Insert Size:	1008 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:	NM_011130.2 , NP_035260.1
RefSeq Size:	1227 bp
RefSeq ORF:	1008 bp
Locus ID:	18970
UniProt ID:	Q8K409
Cytogenetics:	8 11.42 cM
Gene Summary:	Repair polymerase that plays a key role in base-excision repair. Has 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity that removes the 5' sugar phosphate and also acts as a DNA polymerase that adds one nucleotide to the 3' end of the arising single-nucleotide gap. Conducts 'gap-filling' DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases (By similarity).[UniProtKB/Swiss-Prot Function]