

Product datasheet for **RR204108**

Polr2g (NM_053948) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Polr2g (NM_053948) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Polr2g
Synonyms: Rpb7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204108 representing NM_053948
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTATCATATTTCCCTGGAGCAGAGATCCTACTGCACCCACGCTACTTTGGTCCCAACTTGCTCA
ACACGGTGAAGCAGAAGCTGTTCCCGAGGTGGAGGGACCTGCACTGGGAAATATGGCTTTGTGATTGC
TGTCCTACTACCATCGACAATATTGGTGTGGTGTGATCCAGCCGGCCGAGTTTTGTTCTTTATCCAGTG
AAATACAAAGCTATTGTTTTCCGGCCCTTTAAAGGGGAAGTGGTGGATGCTGTGGTCACTCAGGTCAACA
AGGTTGGACTTTTACAGAAATTGGGCCATGTCTGCTTCATCTCTCGACTCCATCCCTTCAGAGAT
GGAGTTTGATCCAAATCGAACCCCTTGTACAAGACCATGGATGAGGACATTGTAATTCAGCAGGAC
GATGAGATACGCTTGAAGATTGTAGGACACGTGTAGACAAGAATGACATTTTTGCTATTGGCTCTCTGA
TGGATGACTACTTGGACTTGTGAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204108 representing NM_053948
Red=Cloning site Green=Tags(s)

MFYHISLEHEILLHPRYFGPNLLNTVKQKLFTEVEGTCTGKYGFVIAVTTIDNIGAGVIQPRGFVLYPV
KYKAIIVFRPFKGEVVDVAVVTQVNVGLFTEIGPMSCFISRHSIPSEMEFDPNSNPPCYKTMDEDIVIQD
DEIRLKIIVGTRVDKNDIFAIGSLMDDYGLVLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<u>NM_053948.4</u> , <u>NP_446400.1</u>
RefSeq Size:	863 bp
RefSeq ORF:	519 bp
Locus ID:	117017
UniProt ID:	<u>P62489</u>
Cytogenetics:	1q43
MW:	19.3 kDa
Gene Summary:	human homolog is a subunit of RNA polymerase II, which catalyzes DNA dependent synthesis of mRNA in transcription; binds the human von Hippel-Lindau (VHL) tumor suppressor protein [RGD, Feb 2006]