

Product datasheet for RC235756

POLR2F (NM_001301129) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR2F (NM_001301129) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POLR2F
Synonyms:	HRBP14.4; POLRF; RPABC2; RPABC14.4; RPB6; RPB14.4; RPC15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235756 representing NM_001301129 Red=Cloning site Blue=ORF Green=Tags(s) TTTGTGAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGTCTCGATCTCCTGCCTTGTGATCCGCCGCTCGGCTCCCAAAGTCTGGGATTACAGGAAGGCCAGGAGAATGTCGAGATCCTCCCCTCTGGGGAGCGACCGCAGGCCAACCAGAAGCGAATCACCACACCATACATGACCAAGTACGAGCGAGCCCGCTGCTGGGCACCCGAGCGCTCCAGATTGCGATGTGTGCCCTGTGATGGTGGAGCTGGAGGGGAGACAGATCCTCTGCTCATTGCCATGAAGGAACTCAAGGCCGAAAGATCCCATCATCATTCGCCGTTACCTGCCAGATGGGAGCTATGAAGACTGGGGGTGGACGAGCTCATCATCACCGAC ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC235756 representing NM_001301129 Red=Cloning site Green=Tags(s) MVSI SCLVIRPPRPKVLGLQEQENVEILPSGERPQANQKRITTPYMTKYERARVLGTRALQIAMCAPVMVELEGETDPLLIAMKELKARKIPIIRRYLPDGSYEDWGVDELIITD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI


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Cloning Scheme:



ACCN: NM_001301129

ORF Size: 354 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001301129.2](#)

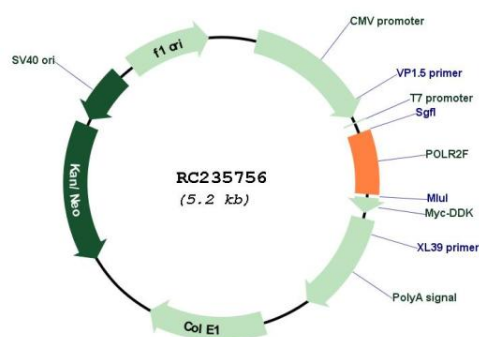
RefSeq Size: 2207 bp

RefSeq ORF:	357 bp
Locus ID:	5435
Cytogenetics:	22q13.1
Protein Families:	Transcription Factors
Protein Pathways:	Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

MW: 13.8 kDa

Gene Summary: This gene encodes the sixth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit, in combination with at least two other subunits, forms a structure that stabilizes the transcribing polymerase on the DNA template. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RC235756