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Product datasheet for SC334041

POLR2F (NM_001301130) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POLR2F (NM_001301130) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>SC334041 representing NM_001301130. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTCAGACAACGAGGACAATTTTGATGGCGACGACTTTGATGATGTGGAGGAGGATGAAGGGCTAGAT GACTTGGAGAATGCCGAAGAGGAAGGCCAGGAGAATGTCGAGATCCTCCCCTCTGGGGAGCGACCGCAG GCCAACCAGAAGCGAATCACCACACCATACATGACCAAGTACGAGCGAGCCCGCGTGCTGGGCACCCGA GCGCTCCAGATTGCGATGTGTGCCCCTGTGATGGTGGAGCTGGAGGGGGAGACAGATCCTCTGCTCATT GCCATGAAGGAACTCAACGCCCGCTCGGCCTCAGAACCGCCCGGAGAGGAGCCGCCCTGGATGGACAGA GGGACGAGGGACGAGCATCTGCCGTCGTGTCCCGGCTGCCCTGCAGTCGCCTCCAACACCCGCTGCTGC CCGCCCGCTGCCTGCCTGCCTGGCATCTCTCTCTCCCGGAGGCGGCGGCTCAGAGAGGAGTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001301130
Insert Size:	477 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).

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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.
RefSeq:	NM_001301130.1
RefSeq Size:	1450 bp
RefSeq ORF:	477 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:	17.6 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] Transcript Variant: This variant (3) contains an alternate 3' exon structure, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (3) has a distinct C-terminus and is longer than isoform 1.