

Product datasheet for **RC235839**

POLR1H (NM_001278786) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR1H (NM_001278786) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: POLR1H
Synonyms: A12.2; HTEX-6; HTEX6; hZR14; Rpa12; tctex-6; TCTEX6; TEX6; ZNRD1; ZR14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235839 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

RCATGTCTGTCATGGACCTCGCAATACTTGCTCCAGCTTTCAGTCGGACCTGGATTTCTGTTTCAGATTG
CGGCTCGGTCCTGCCTCTGCCCGGGCTCAGGATACGGTACCTGTATTCGCTGTGGCTTCAACATCAAC
GTTCCGGGACTTTGAGGGGAAGGTTGTGAAGACTTCGGTTGTGTTCCACCAACTGGGGACAGCCATGCCTA
TGTCGGTGGAGGAAGGGCTGAGTGCCAGGACCTGTGGTTGACAGGCGCTGCCCTCGATGTGGTCATGA
AGGAATGGCATACCACACCAGACAGATGCGTTTCAGCCGATGAAGGGCAAAGTGTCTTCTACACCTGTACC
AACTGCAAGTTCAGGAGAAGGAAGACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235839 protein sequence
Red=Cloning site Green=Tags(s)

XCLSWTSPILAPAFSRTWISVQIAARSCLCPGLRIRSPVFAVASTSTFGTLRGL*RLRLCSTNHWQPCL
CRWRKGLSARDLWLTGAALDVVMKEWHTTPDRCVQPMKGKLSSTPVPTASSRRRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6266_g12.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_001278786

ORF Size: 378 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.

RefSeq: [NM_001278786.2](#)

RefSeq Size: 784 bp

RefSeq ORF: 381 bp

Locus ID: 30834

UniProt ID: [Q9P1U0](#)

Cytogenetics: 6p22.1

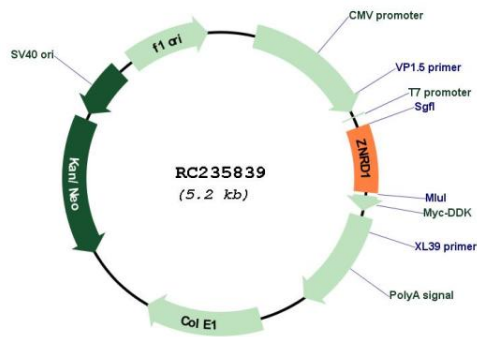
Protein Families: Transcription Factors

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

MW: 13.9 kDa

Gene Summary: This gene encodes a DNA-directed RNA polymerase I subunit. The encoded protein contains two potential zinc-binding motifs and may play a role in regulation of cell proliferation. The encoded protein may be involved in cancer and human immunodeficiency virus progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC235839