

Product datasheet for **RG235838**

POLR1H (NM_001278785) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POLR1H (NM_001278785) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: POLR1H
Synonyms: A12.2; HTEX-6; HTEX6; hZR14; Rpa12; tctex-6; TCTEX6; TEX6; ZNRD1; ZR14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235838 representing NM_001278785.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCTGTCATGGACCTCGCAATACTTCTCCAGCTTTCAGTCGGACCTGGATTCTGTTCAGATTGC
GGCTCGGTCTGCCTCTGCCCGGGGCTCAGGATACGGTCACTGTATTGCTGTGGCTTCAACATCAAC
GTTCCGGGACTTTGAGGGGAAGGTTGTGAAGACTTCGGTTGTGTTCCACCAACTGGGGACAGCCATGCCT
ATGTCGGTGGAGGAAGGGCCTGAGTGCCAGGGACCTGTGGTTGACAGGCGCTGCCCTCGATGTGGTCAT
GAAGGAATGGCATACCACACCAGACAGATGCGTTCAGCCGATGAAGGGCAAACGTCTTCTACACCTGT
ACCAACTGCAAGTTCAGGAGAAGGAAGACTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235838
 Blue=ORF Red=Cloning site Green=Tag(s)

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MSVMDLANTCSSFQSDLDFCSDCGSVLPLPGAQDTVTCIRCGFNINVRDFEGKVKTSVVFHQLGTAMP
MSVEEGPECQGPVVDRCPRCGHEGMAYHTRQMRSADEGQTVFYTCTNCKFQEKEDS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: Sgfl-MluI



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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).
RefSeq:	NM_001278785.2
RefSeq Size:	760 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]