

## Product datasheet for **TP761426**

### **POLR2C (NM\_032940) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human polymerase (RNA) II (DNA directed) polypeptide C, 33kDa (POLR2C), full length, with N-terminal GST and C-terminal HIS tag, expressed in E. coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length POLR2C
<b>Tag:</b>	N-GST and C-His
<b>Predicted MW:</b>	59.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_116558</a>
<b>Locus ID:</b>	5432
<b>UniProt ID:</b>	<a href="#">P19387</a> , <a href="#">Q6FGR6</a>
<b>RefSeq Size:</b>	1822
<b>Cytogenetics:</b>	16q21
<b>RefSeq ORF:</b>	825
<b>Synonyms:</b>	hRPB33; hsRPB3; RPB3; RPB31



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**Summary:** This gene encodes the third largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene contains a cysteine rich region and exists as a heterodimer with another polymerase subunit, POLR2J. These two subunits form a core subassembly unit of the polymerase. A pseudogene has been identified on chromosome 21. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase

**Product images:**

