

# Recombinant Human POLR2J Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** POLR2J-801H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | POLR2J MS Standard C13 and N15-labeled recombinant protein (NP_006225) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | This gene encodes a subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. The product of this gene exists as a heterodimer with another polymerase subunit; together they form a core subassembly unit of the polymerase. Two similar genes are located nearby on chromosome 7q22.1 and a pseudogene is found on chromosome 7p13. |
| <b>Molecular Mass</b>   | 13.3 kDa                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MNAPPAFESFLLFEGEKKITINKDTKVPNACLFTINKEDHTLGNIKSQLLKDPQVLFA<br>GYKVPHPLEHKIIIRVQTTPDYSPQEAFTNAITDLISELSLLEERFRVAIKDKQEGIETR<br>TRPLEQKLISEEDLAANDILDYKDDDDKV                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                         |

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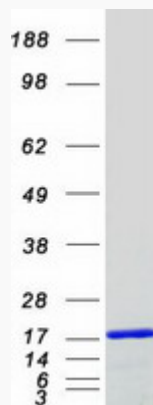
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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                      |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | POLR2J RNA polymerase II subunit J [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | POLR2J                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>         | POLR2J; polymerase (RNA) II (DNA directed) polypeptide J, 13.3kDa; polymerase (RNA) II (DNA directed) polypeptide J (13.3kD); DNA-directed RNA polymerase II subunit RPB11-a; hRPB14; POLR2J1; RPB11; RPB11A; RPB11m; RNA polymerase II subunit B11-a; RNA polymerase II 13.3 kDa subunit; DNA-directed RNA polymerase II subunit J-1; MGC71910; |
| <b>Gene ID</b>          | 5439                                                                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_006234                                                                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_006225                                                                                                                                                                                                                                                                                                                                        |
| <b>MIM</b>              | 604150                                                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | P52435                                                                                                                                                                                                                                                                                                                                           |

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**SDS-PAGE**

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