

## POLR2J3 Human

**Description:** POLR2J3 Human Recombinant produced in E. coli is a single polypeptide chain containing 138 amino acids (1-115) and having a molecular mass of 15.5 kDa. POLR2J3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-661

For research use only.

**Synonyms:** Polymerase (RNA) II (DNA Directed) Polypeptide J3, DNA-Directed RNA Polymerase II Subunit 11, DNA-Directed RNA Polymerase II Subunit RPB11-B2, DNA-Directed RNA Polymerase II Subunit J3, RNA Polymerase II Subunit B11-B2, POLR2J2, RPB11b2, RPB11b1.

**Source:** E.coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMNAPP AF ESFLFEGEK  
ITINKDTKVP NACLFTINKE DHTLGNIKKS QLLKDPQVLF AGYKVPHPLE HKIIRVQTT  
PDYSPQEAFT NAITDLISEL SLLEERFRTC LLPLRLLP

**Purity:** Greater than 95% as determined by SDS-PAGE.

**Formulation:**

The POLR2J3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 1mM DTT and 40% glycerol.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

DNA-directed RNA polymerase II subunit RPB11-b2 (POLR2J3) is a member of the eukaryotic RPB11 RNA polymerase subunit family. POLR2J (DNA-directed RNA polymerase II subunit J) exists in 3 variants POLR2J1 (RPB11-a), POLR2J2 (RPB11-b1), and POLR2J3 (RPB11-b2). POLR2J3 is a DNA-dependent RNA polymerase which catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.

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