

## POLR2J2 Human

**Description:** POLR2J2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 138 amino acids (1-115) and having a molecular mass of 15.5kDa. POLR2J2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-693

For research use only.

**Synonyms:** HRPB11B, RPB11b1, POLR2J2, DNA-directed RNA polymerase II subunit RPB11-b1.

**Source:** E.coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMNAPP AF ESLLFEGEK  
ITINKDTKVP KACLTINKE DHTLGNIKS QLLKDPQVLF AGYKVPHPLE HKIIRVQTT  
PDYSPQEAFT NAITDLISEL SLLEERFRTC LLPLRLLP.

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

**Formulation:**

The POLR2J2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol, 1mM DTT and 250mM Imidazole.

**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:**

POLR2J2 belongs to the RNA polymerase II subunit 11 gene family, that includes 3 genes in a cluster on chromosome 7q22.1 and a pseudogene on chromosome 7p13. DNA directed RNA polymerase II polypeptide J family encodes a subunit of RNA polymerase II, the polymerase which is responsible for synthesizing messenger RNA in eukaryotes. This locus produces multiple, otherwise spliced transcripts which express isoforms with distinct C-termini compared to DNA directed RNA polymerase II polypeptide J. Most or all variants are spliced to include additional non-coding exons at the 3' end that makes them candidates for nonsense-mediated decay (NMD). Therefore, it is unknown if this locus expresses a protein or proteins in vivo.

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