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# 32-2694: POLR2D Recombinant Protein

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| **Alternative Name :** | HSRBP4,HSRPB4,RBP4,RPB16,DNA-directed RNA polymerase II subunit RPB4,RNA polymerase II subunit B4,DNA-directed RNA polymerase II subunit D,RNA polymerase II 16 kDa subunit,POLR2D. |

## Description

Source : E.coli. POLR2D Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (1-142) and having a molecular mass of 18.7kDa.POLR2D is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Polymerase II Polypeptide D (POLR2D) is a member of the eukaryotic RPB4 RNA polymerase subunit family. POLR2D is the fourth largest subunit of RNA polymerase II. Pol II is the main element of the basal RNA polymerase II transcription machinery. polymerase is responsible for synthesizing messenger RNA in eukaryotes. In yeast, POLR2D subunit is connected with the polymerase under suboptimal growth conditions and might have a stress protective role. POLR2D catalyzes the transcription of DNA into RNA by the 4 ribonucleoside triphosphates as substrates.

## Product Info

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| **Amount :** | 20 µg |
| **Purification :** | Greater than 90% as determined by SDS-PAGE. |
| **Content :** | The POLR2D solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MGSMAAGGSD PRAGDVEEDA SQLIFPKEFE TAETLLNSEV HMLLEHRKQQ NESAEDEQEL SEVFMKTLNY TARFSRFKNR ETIASVRSLL LQKKLHKFEL ACLANLCPET AEESKALIPS LEGRFEDEEL QQILDDIQTK RSFQY. |

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