
Product Data Sheet

Product Name: POLR2H Human
 Cat. No.: GP24208
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DNA-directed RNA polymerases I; II; and III subunit RPABC3; RNA polymerases I; II; and III subunit ABC3; DNA-directed RNA polymerase II subunit H; DNA-directed RNA polymerases I; II; and III 17.1 kDa polypeptide; RPB17; RPB8 homolog; hRPB8; POLR2H; polymerase (RNA) II (DNA directed) polypeptide H; RPB8; RPABC3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAGILFE DIFDVKDIDP EGKKFDRVSR LHCESESEFKM DLILDVNIQI YPVDLGDKFR LVIASLYED GTLDDGEYNP TDDRPSRADQ FEYVMYGKVY RIEGDETSTE AATRLSAYVS YGGLLMRLQG DANNLHGFEV DSRVYLLMKK LAF.		
Formulation	POLR2H protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

POLR2H is an essential and highly conserved subunit of RNA polymerase II which is shared by the other 2 eukaryotic DNA-directed RNA polymerases, I and III. The three eukaryotic RNA polymerases are complex multisubunit enzymes which play a vital role in the transcription of nuclear genes. POLR2H encodes an essential and highly conserved subunit of RNA polymerase II which is shared by the other two eukaryotic DNA-directed RNA polymerases, I and III.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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POLR2H Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 173 amino acids (1-150 a.a) and having a molecular mass of 19.5kDa. POLR2H is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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