
Product Data Sheet

Product Name: POLR2K Human
 Cat. No.: GP24211
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Polymerase (RNA) II (DNA Directed) Polypeptide K; 7.0kDa; RNA Polymerases I; II; And III Subunit ABC4; DNA-Directed RNA Polymerase II Subunit K; RNA Polymerase II 7.0 KDa Subunit; ABC10-Alpha; RPB10alpha; RPB7.0; RPB12; DNA Directed RNA Polymerases I; II; And III 7.0 Kda Polypeptide; DNA-Directed RNA Polymerases I; II; And III Subunit RPABC4; Polymerase (RNA) II (DNA Directed) Polypeptide K (7.0kD); HsRPB10a; HRPB7.0; RPABC4; POLR2K.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDTQKDV QPPKQQPMIY ICGECHTENE IKSRDPIRCR ECGYRIMYKK RTKRLVVFDA R.		
Formulation	POLR2K protein solution (0.5mg/ml) containing Phosphatebuffered saline (pH7.4), 10% glycerol and 1mM DTT.		

Introduction

Polymerase (RNA) II (DNA directed) Polypeptide K, also known as POLR2K is a member of the archaeal RpoP/eukaryotic RPC10 RNA polymerase subunit family. POLR2K is one of the smallest subunits of RNA polymerase II, the polymerase is responsible for synthesizing messenger RNA in eukaryotes. In addition, the other two DNA-directed RNA polymerases share this subunit.

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

POLR2K Human Recombinant produced in E. Coli is a single, non-glycosylated

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

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polypeptide chain containing 81 amino acids (1-58 a.a) and having a molecular mass of 9.4kDa. POLR2K is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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