
Product Data Sheet

Product Name: POLE3 Human

Cat. No.: GP24205

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CHARAC17; CHRAC17; p17; YBL1; DNA polymerase epsilon subunit 3; Arsenic-transactivated protein; AsTP; Chromatin accessibility complex 17 kDa protein; HuCHRAC17; DNA polymerase II subunit 3; DNA polymerase epsilon subunit p17; POLE3.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAERPED LNLNAVITR IIKEALPDGV NISKEARSAI SRAASVFLY ATSCANNFAM KGKRKTLNAS DVLSAMEEME QRFVTPLEKE ALEAYRREQK GKKEASEQKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEEVDN.		
Formulation	The POLE3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 20% glycerol and 1mM DTT.		

Introduction

Polymerase (DNA Directed), Epsilon 3, also known as POLE3, is a histone-fold protein which interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers merge into larger enzymatic complexes for DNA transcription, replication, and packaging.

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

POLE3 Human Recombinant produced in E. coli is a single polypeptide chain containing 170 amino acids (1-147) and having a molecular mass of 19kDa. POLE3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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