

POLE3, 1-147aa, Human, His tag, E.coli

Cat.NO.: TP03455

3th Edition

Synonyms:DNA polymerase epsilon subunit 3, CHARAC17, CHRAC17, p17, YBL1

Description:POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging. POLE3 has been shown to interact with SMARCA5. Recombinant human POLE3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 1mM DTT.

Molecular Weight:19kDa (170aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGMAERPEDLNLPNAVITRIIKEALPDGVNISKEARSAISRAASVFLYATSCANN
FAMKGKRKTLNASDVLSAMEEMEFQRFVTPLKEALEAYRREQKGGKEASEQKKKDKDKKTDSEEQDKSRDEDND
EDEERLEEEEQNEEEVDN

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.