

Product information



POLE3, 1-147aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2141

Full name: DNA polymerase epsilon subunit 3

NCBI Accession No.: NP_059139

Synonyms: CHARAC17, CHRAC17, p17, YBL1

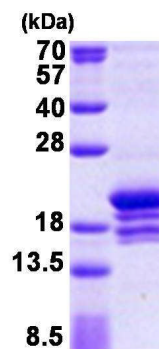
Description: POLE3 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging. POLE3 has been shown to interact with 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

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMAERPED LNLNAVITR I I KEALPDGV NISKEARSAI SRAASVFLY ATSCANNFAM KGKRKTLNAS
DVLSAMEEME FQRFVTPLEK ALEAYRREQK GKKEASEQKK KDKDKKTDSE EQDKSRDEDN DEDEERLEEE EQNEEEVDN

General references:

Bolognese F, Imbriano C, *et al.* (2000). *Nucleic Acids Res.* 28(19):3830-8.

Li Y, Pursell ZF, *et al.* (2000). *J Biol Chem.* 275(30):23247-52.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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