

## Product datasheet for **TP300874M**

### DNA Polymerase epsilon (POLE3) (NM\_017443) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polymerase (DNA directed), epsilon 3 (p17 subunit) (POLE3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200874 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAERPEDLNLPNAVITRIIKEALPDGVNISKEARSAISRAASVFLYATSCANNFAMKGKRKTLNASDVL SAMEEMEFQRFVTPPLKEALEAYRREQKGKKEASEQKKKDKDKKTDSEEQDKSRDEDNDEDEERLEEEEQN EEEEVDN
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	16.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_059139</a>
Locus ID:	54107
UniProt ID:	<a href="#">Q9NRF9</a> , <a href="#">A0A024R829</a>



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RefSeq Size: 2288

Cytogenetics: 9q32

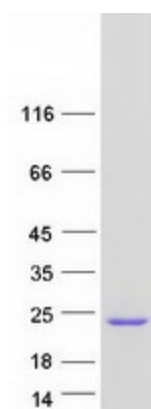
RefSeq ORF: 441

Synonyms: CHARAC17; CHRAC2; CHRAC17; p17; YBL1

**Summary:** 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.[supplied by OMIM, Apr 2004]

**Protein Pathways:** Base excision repair, DNA replication, Metabolic pathways, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism

### Product images:



Coomassie blue staining of purified POLE3 protein (Cat# [TP300874]). The protein was produced from HEK293T cells transfected with POLE3 cDNA clone (Cat# [RC200874]) using MegaTran 2.0 (Cat# [TT210002]).