

## Product datasheet for TP322113L

### POLE2 (NM\_002692) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human polymerase (DNA directed), epsilon 2 (p59 subunit) (POLE2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222113 protein sequence Red=Cloning site Green=Tags(s)

MAPERLRSRALSAFKLRGLLLRGEAIKYLTEALQSISELELEDKLEKIINAVEKQPLSSNMIERSWEAA  
VQEQSQSVDEETIEHVFNIIIGAFDIPRFVYNSERKKFLPLLMTNHPAPNLFGTPRDKAEMFRERYTILHQR  
THRHELFTPPVIGSHPDSESGSKFQLKTIETLLGSTTKIGDAIVLGMITQLKEGKFFLEDPTGTVQLDLSK  
AQFHSGLYTEACFVLAEGWFEDQVFHVNAFGFPPTPEPSSTTRAYYGNINFFGGPSNTSVKTS AKLKQLEE  
ENKDAMFVFLSDVWLDQVEVLEKLRIMFAGYSPAPPTCFILCGNFSSAPYGKNQVQALKDSLKTLADIIC  
EYPDIHQSSRFVFPDPEDPGFGSILPRPPLAESITNEFRQRPFSVFTTNP CRIQYCTQEITVFREDLV  
NKMCRNCVRFPSNLAIPNHFKTILSQGH LTP LLYVCPVYWAYDYALRVYPVDPDLLVIADKYDPFTTT  
NTECLCINPGSFP RSGFSFKVFYPSNKTVEDSKLQGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

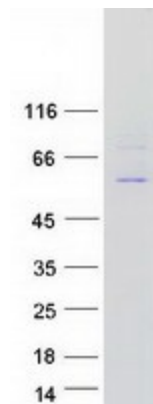
Tag:	C-Myc/DDK
Predicted MW:	59.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_002683</a>
<b>Locus ID:</b>	5427
<b>UniProt ID:</b>	<a href="#">P56282</a>
<b>RefSeq Size:</b>	1861
<b>Cytogenetics:</b>	14q21.3
<b>RefSeq ORF:</b>	1581
<b>Synonyms:</b>	DPE2
<b>Summary:</b>	DNA polymerase epsilon, which is involved in DNA repair and replication, is composed of a large catalytic subunit and a small accessory subunit. The protein encoded by this gene represents the small subunit (B). Defects in this gene have been linked to colorectal cancer and to combined immunodeficiency. [provided by RefSeq, Jan 2017]
<b>Protein Pathways:</b>	Base excision repair, DNA replication, Metabolic pathways, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism

### Product images:



Coomassie blue staining of purified POLE2 protein (Cat# [TP322113]). The protein was produced from HEK293T cells transfected with POLE2 cDNA clone (Cat# [RC222113]) using MegaTran 2.0 (Cat# [TT210002]).