

32-8184: Recombinant Human DNA Polymerase d Subunit 2/POLD2 (C-6His)

Gene : POLD2
Gene ID : 5425
Uniprot ID : P49005

Description

Source: E. coli.
MW :52.3kD.

Recombinant Human DNA Polymerase Delta Subunit 2 is produced by our E.coli expression system and the target gene encoding Met1-Pro469 is expressed with a 6His tag at the C-terminus. DNA Polymerase Delta Subunit 2 (POLD2) belongs to the DNA polymerase delta/II small subunit family. POLD2 can form a heterotetramer composed of subunits of 125 kDa, 50 kDa, 66 kDa and 12 kDa. POLD2 possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair. POLD2 is required for the stimulation of DNA polymerase delta activity by the processivity cofactor proliferating cell nuclear antigen (PCNA).

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of PBS, 10% Glycerol, pH 7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MFSEQAAQRAHTLLSPPSANNATFARVPVATYTNSQPFLGERSFSRQYAHYATRLIQMRPFLENRAQQHW
GSGVGVKKLCELQPEEKCCVVGTLFKAMPLQPSILREVSEEHNLLQPPRSKYIHPDDELVLEDELQRIKLGKTID
VSKLVTGTVLAVFGSVRDDGKFLVEDYCFADLAPQKPAPPLDTRFVLLVSGGLGGGGESLLGTQLLDVV
TGQLGDEGEQCSAAHVSRVILAGNLLSHSTQSRDSINKAKYLTKKTQAASVEAVKMLDEILLQLSASVPDVMP
GEFDPTNYTLPQQPLHPCMFPLATAYSTLQLVTNPYQATIDGVRFLGTSGQNVSDIFRYSSMEDHLEILEWTLRV
RHISPTAPDTLGCYPFYKTDPFIFPECPHYVFCGNTPSFGSKIIRGPEQTVLLVTVPDFSATQTAACLVNLRSLAC
QPISFSGFGAEDDDLGGGLGPLEHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.