

## Recombinant Human DNA Polymerase $\beta$

Catalog No: C166

<b>Description</b>	Recombinant Human Gankyrin is produced by our E.coli expression system and the target gene encoding Met1-Gly226 is expressed.
<b>Source</b>	E.coli
<b>Alternative name</b>	26S Proteasome Non-ATPase Regulatory Subunit 10; 26S Proteasome Regulatory Subunit p28; Gankyrin; p28(GANK); PSMD10
<b>Accession No.</b>	O75832
<b>Predicted Molecular Weight</b>	24.43kDa
<b>AP Molecular Weight</b>	26kDa, reducing conditions.
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of PBS, 10% Glycerol, pH 7.4.
<b>Quality Control</b>	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
<b>Amino Acid Sequence</b>	MSKRKAPQETLNGGITDMLTELANFEKNVSQAIHKYNAYRKAASVIAKYPHKIKSGAEAKKLPGVGTK IAEKIDEFLATGKLRKLE KIRQDDTSSSINFLTRVSGIGPSAARKFVDEGIKTLEDLRKNEDKLNHHQRIGLKYFGDFEKRIPREEM LQMQDIVLNEVKKVDSE YIATVCGSFRRGAESSGDMVLLTHPSFTSESTKQPKLLHQVVEQLQKVHFITDTLSKGETKFMGVC QLPSKNDKEYPHRRIDI RLIPKDQYYCGVLYFTGSDIFNKNMRAHALEKGFTINEYTIRPLGVTGVAGEPLPVDSEKDIFDYIQWK YREPKDRSEVEHHHHH H
<b>Background</b>	Gankyrin is a multicatalytic proteinase oncoprotein consists of 7 ankyrin repeats. Gankyrin overexpressed in most hepatocellular carcinomas. Gankyrin is involved in theregulation of the phosphorylation of the retinoblastoma protein by CDK4 to enhance the ubiquitinylation of p53 by MDM2. Gankyrin is also involved in progression of esophageal squamous cell carcinoma. Gankyrin plays an oncogenic role especially in early stages of human epatocarcinogenesis.

### SDS-PAGE

