Product sheet

U-2 OS-CRISPR-NUP96-SNAP clone no.33 genomic DNA - 5 mi crogram | 300444GD5

Manufacturing method

The genomic DNA (gDNA) is isolated by cell lysis followed by the addition of Proteinase K and RNAse A and purification on columns. The conditions have been chosen to allow for PCR or other enzymatic reactions in the downstream process. The fragment length of the purified DNA is up to 50kb.

Applications

- PCR / RT-PCR / qPCR
- Next-generation sequencing (NGS)
- Single nucleotide polymorphism (SNP) analysis
- Genomic analysis
- Gene expression studies
- Southern Blot

Concentration

50-100 ng/µl in TE Buffer (10 mM Tris-CL, 0.5 mM EDTA, pH 8.0). If you require a specific concentration, please contact us.

Quality control

- The quality and purity of the DNA are tested with a spectrophotometer. Absorption at A260/280 is between 1.8 and 2.0. Contamination with RNA, proteoglycans, and polysaccharides is excluded.
- We can quantify the double-stranded DNA (dsDNA) content free of charge, please contact us for more information.
- Please contact us for further information if you require DNA from HLA-typed cell lines.
- Store at 4°C for frequent use or at -20°C for occasional use.
- For prolonged storage (> 6 months) we recommend -80°C.
- Avoid more than three freeze/thaw cycles.

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Note

Please centrifuge before opening the vial.