



Designation	DAN-G human genomic DNA
CLS order number	300162GD05
Size	500 ng
Description	The genomic DNA 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.
Mutation Analysis:	DAN-G cells carry a homozygous Kras mutation in codon12: GGT(Gly) >GTT(Val)
Applications	PCR, RT-PCR Southern Blot SNP Analysis Genomic DNA library construction Studies on gene expression.
Concentration	50-100ng/µl in TE Buffer (10mM Tris-CL; 0.5mM EDTA pH 9.0); for exact concentration see label on the vial
Quality control	The quality and quantity of the resulting DNA are determined by measuring the absorption at 260nm /280nm using the Nanodrop 1000. $A_{260nm}/A_{280nm} = 1,8 - 2,0$ As RNase is added during the isolation, a contamination with RNA can be excluded. The cell line was authenticated with STR Analysis.
Storage	Store at 4°C for frequent use. Store at -20°C for occasional use. For prolonged storage (>6 months) we recommend -70°C. Do not freeze-thaw more than three times.

Please centrifuge before opening the vial!

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Important note: This product is intended for research use only, not for use in human, therapeutic or diagnostic applications.