

## Product Information Sheet

### High quality human placental genomic intact DNA (3.0-10 mg/ml)

CA-972-F CA-972-F1G	Human Placental DNA (intact female genomic)	1 mg 1 g
CA-972-M CA-972-M1G	Human Placental DNA (intact male genomic)	1 mg 1 g

**Contact us for bulk discounts, and custom-dispense.**

Human genomic DNA derived from placentae is derived from foetal cells and also a small number of maternal cells. The maternal cells fall away when the placenta is delivered following birth. Human placental genomic DNA is uniquely suited to many different uses in molecular biology. Human genomic DNA can be used in applications where nucleic acid blocking is required such as Southern hybridisation, specialised cytogenetic assays, fluorescence in situ hybridisation (FISH), northern hybridisation and as PCR controls. Cambio's human placental genomic DNA will specifically block human random repeat sequences making it an ideal blocker for hybridisation experiments. Our human genomic DNA is supplied as convenient small pack sizes (micrograms to milligrams) but we also supply in bulk (gram quantities) as required.

### Applications

Blocking agent for a wide range of different DNA- or RNA-based applications:

- Southern hybridisation
- Northern hybridisation
- Applications employing nucleic acid probes
- Nucleic acid binding assays
- Fluorescence *in-situ* hybridisation (FISH)
- Cytogenetic assays

Internal controls in PCR assays:

- HP DNA is supplied at a handy concentration for PCR and does not require any additional purification (available as female, or male)

Cambio's intact human placental intact genomic DNA is isolated from fresh male or female human placentae by phenol/chloroform extraction. The DNA is of high molecular weight and high purity. FOR LABORATORY USE ONLY.

### Healthy donors

The placentae used for obtaining the DNA are from healthy donors that have tested negative for the following: SARS-CoV-2; Hepatitis (Hep-B & Hep C); Human Immunodeficiency Virus (HIV-1 and HIV-2); Human T-cell Lymphotropic Virus (HTLV-1 & HTLV-2); *Treponema Pallidum*.

### Technical details

Cambio HP DNA is supplied with data including sex, concentration and A260/280 ratio. Store at -20 C. Avoid repeated freeze thawing and minimise pipetting. Expiry 2 years from delivery date if stored correctly.

**Should intact human genomic DNA not be exactly what you need then also see Hybridime (our sonicated human genomic DNA).**

If you cannot find the answer to your problem above, or if you require custom quantities or formulations, contact us at [support@cambio.co.uk](mailto:support@cambio.co.uk) or phone +44 (0)1954 210 200.