Nucleosome Assembly 601 Sequence DNA, Biotinylated

Catalog No	18-0005	**Tag**	Biotinylated
Lot No	26294013-01	**MW**	91,197.5 Da
Pack Size	50 µg	**Source**	Synthetic DNA

DESCRIPTION

Nucleosome Assembly 601 Sequence DNA is a 147 base-pair double-stranded DNA fragment that was identified by Lowary and Widom using the SELEX method [1]. The 601 Sequence DNA has high affinity for histone octamers and is useful for *in vitro* nucleosome assembly. The DNA contains a 5' biotin-TEG group.

TECHNICAL INFORMATION

Storage	Stable for 2 years at -20°C from date of receipt. After resuspending, aliquots should be stored at -80°C.
Formulation	50 µg lyophilized 601 Sequence DNA

APPLICATION NOTES

Nucleosome Assembly 601 Sequence DNA is useful for assembly of nucleosomes using purified or recombinant histone octamers (EpiCypher 16-0001). See Luger et al. [2] for recommended nucleosome reconstitution protocol. The biotin group on the DNA allows for pull-down of the nucleosomes for nucleosome binding experiments or enzymatic assays.

VALIDATION DATA

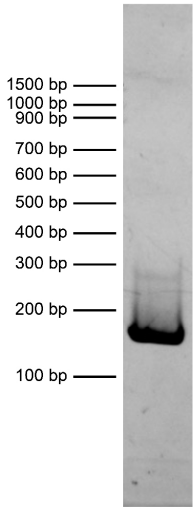

FIGURE 1 **DNA gel data.** Nucleosome Assembly 601 Sequence DNA, Biotinylated (100 µg) resolved via native PAGE and stained with ethidium bromide to visualize DNA. Migration positions of DNA molecular weight markers are indicated.

REFERENCES

[1] Lowary & Widom *J. Mol. Biol.* (1998). PMID: 9514715
[2] Luger et al. *Methods Mol. Biol.* (1999). PMID: 10804500