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Data Sheet

β-glucosyltransferase

T4 phage, recombinant, C-terminal His-tag
Catalog #: 72000
Lot #: 110111 Conc: 1.66mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 200 mM imidazole, 20% glycerol.

Stability: >6 months at –80°C

References:

1. Song, C.X.., *et al.* (2011). *Nat Biotechnol.* **29(1):** 68-72.
2. Kornberg, S.R., *et al.* (1961). *J. Biol. Chem.* **236:** 1487–1493.

Description:
T4-phage beta-glucosyltransferase, also known as UDP glucose-DNA β-glucosyl-transferase, Genbank Accession No. NP_049658, a.a. 1-351(end) with C-terminal His-tag, MW= 41.6 kDa, expressed in *E. coli.*

Application:
Useful for the differentiation of hydroxymethylcytosine (HMC) from methylcytosine in DNA, via glucosylating HMC and protecting HMC from endonuclease cleavage.

Quality Assurance

10% SDS-PAGE
Coomassie staining

Lane 1:
8 µg β-glucosyltransferase
Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 42 kDa
Purity: ≥83%