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Zuschläge

- Mindermengenzuschlag
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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

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 -glucosyltransferase, 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.

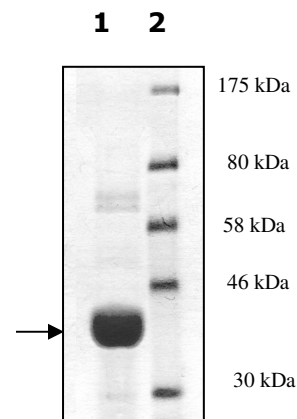
Quality Assurance

10% SDS-PAGE Coomassie staining

Lane 1:
8 μg β -glucosyltransferase

Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 42 kDa
Purity: $\geq 83\%$



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