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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

TDP2

Human, recombinant, N-terminal His-GST tag
Catalog #: 60702
Lot#: 111017GEHE **Conc.:** 0.23 mg/ml

Formulated in: 40 mM Tris-HCl, pH 8.0,
 110 mM NaCl, 2.2 mM KCl, 200 mM
 Imidazole, 20% Glycerol, and 3 mM DTT.

Stability: >6 months at -80 °C

References:

1. Loughney, K, *et al.*, *Int. J. Impot. Res.* 2005, **17(4)**:320-5.
2. Weeks, JL, *et al.*, *Int. J. Impot. Res.* 2005, **17(1)**:5-9.

Description: Human tyrosyl DNA Phosphodiesterase 2, or TDP2 (GenBank Accession No. NM_016614), full length with N-terminal His-GST tag, MW= 67 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

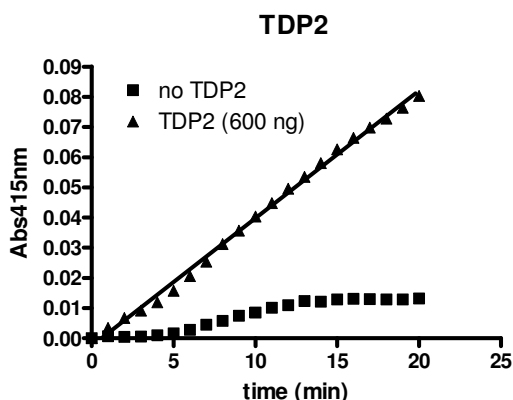
Specific Activity: 186 pmol/min/μg.

Enzyme reaction was performed in a reaction buffer (200 μl) containing 50 mM Tris (pH 7.4), 1 mM MgCl₂, 50 mM KCl, 1 mM DTT, 0.1 mg/ml BSA, 2 mM T5PNP and 600 ng TDP2. Reaction was continuously monitored at 415 nm at room temperature for 20 min. SA was calculated based on the molar extinction coefficient of the product (*p*-nitrophenol), $e = 15,000 \text{ M}^{-1}\text{cm}^{-1}$

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

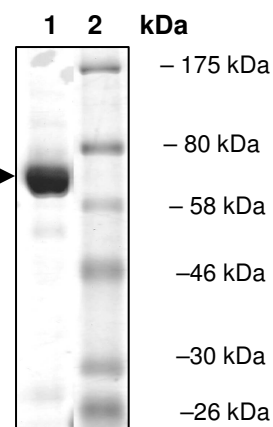
Specific Activity



10% SDS-PAGE Coomassie staining

Lane 1:
4.6 μg TDP2
Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 67 kDa
Purity: ≥87%



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