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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

DEP-1, GST-tag

Human, recombinant, N-terminal GST-tag

Catalog #: 30050

Lot #: 150226

Conc.: 0.29 mg/ml

Formulated in: 25 mM Tris-HCl pH 8.0, 0.69 mM NaCl, 1.4 mM KCl, 0.03% Tween 20, 1 mM DTT, 2 mM EDTA, 10 mM glutathione, and 50% glycerol.

Stability: At least 6 months at -80°C . *Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).*

References:

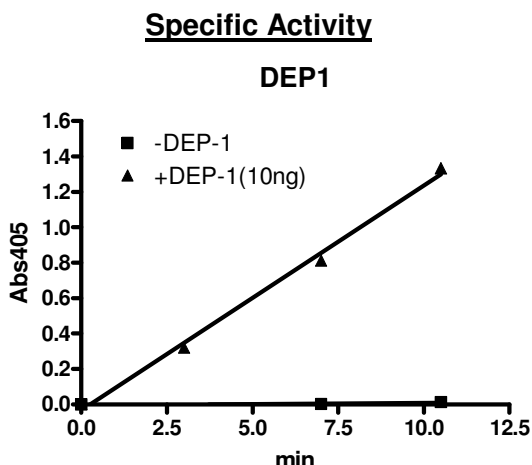
1. A. Massa, *et al.*, *J Biol Chem.* 2004, **279**: 29004-12.
2. S. Kellie, *et al.*, *J Cell Sci.* 2004, **117**: 609-18.

Description: Human DEP-1 protein tyrosine phosphatase (density-enhanced phosphatase-1, PTP-eta, CD148) catalytic domain, (a.a. 1024-1306) with N-terminal GST tag, MW=58.9 kDa, expressed in an *E. coli* expression system.

Specific Activity: 268 nmole/min/ μg
 Assay conditions: 20 mM HEPES, pH 7.2, 100 mM NaCl, 2 mM EDTA, 1 mM DTT, 50 mM pNPP and DEP1. Assay was done at 30°C for 10 min, and the reaction was monitored at 405 nm continuously. Specific activity was calculated based on $\epsilon_{\text{pNP}^-} = 18,000 \text{ M}^{-1}\text{cm}^{-1}$

Application: Useful for the study of enzyme kinetics, regulation, and to dephosphorylate target substrates.

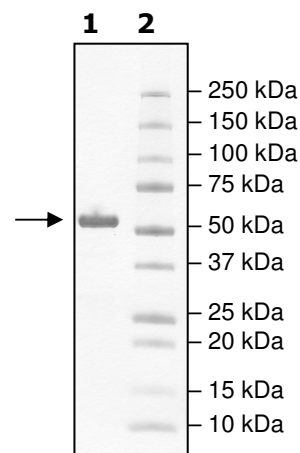
Quality Assurance



4-20% SDS-PAGE
Coomassie staining

Lane 1:
 2 μg DEP1
Lane 2:
 Protein Marker

MW: 59.6 kDa
Purity: $\geq 90\%$



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