

Data Sheet

PTPβ

Human, recombinant, N-terminal GST tag

Catalog #: w40053

Lot#: 121008

Conc.: 1 mg/ml

Formulated in: 25 mM Tris-HCl, pH 8.0, 75 mM NaCl, 0.05% Tween-20, 50% glycerol, 2 mM EDTA, 1 mM DTT, and 10 mM glutathione.

Stability: >6 months at -80 °C

References:

1. I. K. Lund et al., *J Biol Chem.* 2004, **279**: 24226-35.
2. G.H. Peters et al., *Biochimie.* 2003, **85**: 527-34.

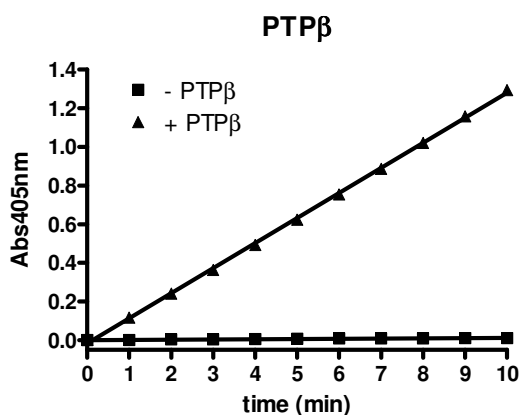
Description: PTPβ (protein tyrosine phosphatase beta), catalytic domain, (a.a. 1675-1996) with N-terminal GST tag, MW=63.7 kDa, expressed in an *E. coli* expression system.

Specific Activity: 57 nmole/min/μg.

Assay conditions: 20 mM HEPES, pH 7.2, 2 mM EDTA, 1 mM DTT, 25 mM pNPP and PTPβ. Reaction was done at room temperature for 10 minutes, and monitored at Abs 405 nm continuously. ϵ of pNPP = 18,000 M⁻¹cm⁻¹

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

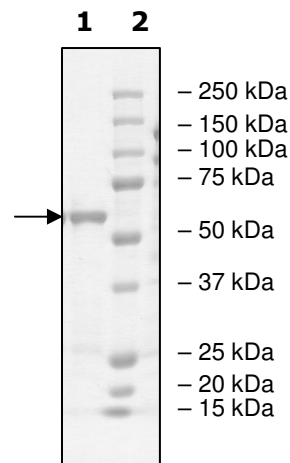
Quality Assurance



4-20% SDS-PAGE Coomassie staining

Lane 1:
1 μg PTPβ
Lane 2:
Protein Marker

MW: 63.7 kDa
Purity: ≥90%



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