**Data Sheet**

**PDE1B**  
Human, recombinant, N-terminal GST tag  
Catalog #: 60011  
Lot#: 101203  
Conc.: 1.13 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0, 124 mM NaCl, 2.4 mM KCl, 18 mM glutathione, 3 mM DTT and 10% glycerol

**Stability:** >6 months at –80°C

**References:**

**Description:** Human PDE1B (GenBank Accession No. NM_000924), full length with N-terminal GST tag, MW= 87 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 2314 pmol/min/µg. 
One unit is defined as the amount of enzyme that will convert 1 pmole of 3', 5'-cAMP to 5'-AMP per min at 37°C. Assay condition: 10 mM Tris-HCl, pH 7.4, 10 mM MgCl2, 0.05% Tween-20, 0.1 mg/ml BSA, 0.2 mM 3', 5'-cAMP and 1 ng/µl PDE1B at 37 °C for 20 min. Quantified by 5'-nucleotidase cleaving the 5'-AMP product, releasing the phosphate group which is detected by Malachite Green Reagent.

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

**Quality Assurance**

**10% SDS-PAGE**

**Coomassie staining**

**Lane 1:** 4 µg PDE1B  
**Lane 2:** Protein Marker BioLabs (#P7708L)

**MW:** 87 kDa.  
**Purity:** ≥44%

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