**PDE4B1**
Human, recombinant, N-terminal GST tag  
**Catalog #:** 60041  
Lot#: 052009LN  
Conc.: 1.26 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 16 mM glutathione, 3 mM DTT and 20% glycerol

**Stability:** >6 months at ~80°C

**References:**

**Description:**
Human PDE4B1 (GenBank Accession No. NM_001037341), full length with N-terminal GST tag, MW= 109 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 8532 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, 1 mM MnCl₂, 200 µM cAMP, and 0.2 ng/µl PDE4B1 at 37°C for 20 min. Quantified by 5'-nucleotidase cleaving the 5'-AMP product and 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**

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<thead>
<tr>
<th>Lane</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>3 µg PDE4B1</td>
</tr>
<tr>
<td>2</td>
<td>Protein Marker</td>
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<tr>
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<td>BioLabs (#P7708L)</td>
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**MW:** 109 kDa.  
**Purity:** ≥40%

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