Data Sheet

**PDE11A**
Human, recombinant, N-terminal GST tag

**Catalog #:** 60110

**Lot #:** 70413

**Conc.:** 1.7 mg/ml

**Formulated in:** 25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 50% glycerol, 10 mM glutathione and 3 mM DTT.

**Stability:** >6 months at –80°C

**References:**

**Description:** Human PDE11A (GenBank Accession No. BC112393), full length with N-terminal GST tag, MW= 131 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

**Specific Activity:** 1560 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, 0.1 mg/ml BSA, 200 µM cAMP, and PDE11A 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**

**Lane 1:** 5 µg PDE11A

**Lane 2:** Protein Marker BioLabs (#P7708L)

**MW:** 131 kDa

**Purity:** ≥75%

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