

## Certificate of Analysis

Email: [enquiries@scottish-biomedical.com](mailto:enquiries@scottish-biomedical.com)  
[www.scottish-biomedical.com](http://www.scottish-biomedical.com)

For *In Vitro* Research Use Only

### Human Phosphodiesterase 4Cat (hPDE4Cat)

Catalogue Number: H-PDE4Cat-10U  
Lot Number: 606020C

**Source:** Partially purified human recombinant PDE4B (catalytic domain), cloned from human brain and expressed in *S. frugiperda* insect cells using a baculovirus expression system.

**Stability & Storage:** Stable for 1 year at  $\leq -70^{\circ}\text{C}$  from date of shipment. For best results, aliquot and freeze the product on initial thaw and avoid repeated freeze thaw cycles.

**Storage Buffer:** RIPA buffer (10mM Tris, 150mM NaCl, 0.1% NP-40), pH8.3

**Activity:** 10 units per vial, 2  $\mu\text{l}$  per unit (or 0.5 units per  $\mu\text{l}$ ). 1 unit is defined as the amount of enzyme that will convert 1picomole cAMP to AMP per min at pH7.5 at 30  $^{\circ}\text{C}$ .

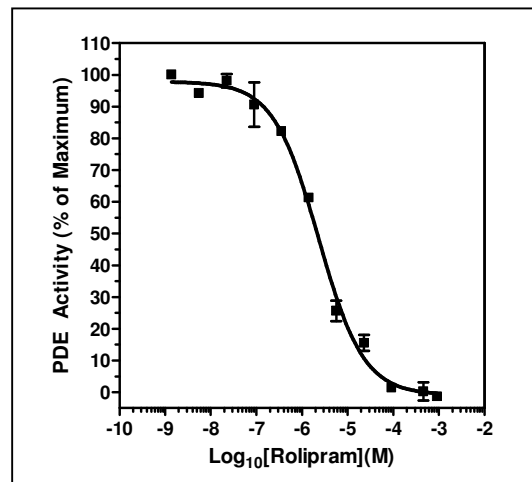
### Quality Control

Enzyme Inhibitor: Rolipram

Substrate: cAMP

IC<sub>50</sub> Range: 1.5 – 5.0  $\mu\text{M}$

Lot IC<sub>50</sub>: 2.3  $\mu\text{M}$



QC Pass: \_\_\_\_\_