

Certificate of Analysis

Email: enquiries@scottish-biomedical.com
www.scottish-biomedical.com

For *In Vitro* Research Use Only

Human Phosphodiesterase 9A2 (hPDE9A2)

Catalogue Number: H-PDE9A2-10U
Lot Number: 701160A

Source: Partially purified human recombinant PDE9A2, 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, 20 μl per unit (or 0.05 units per μl). 1 unit is defined as the amount of enzyme that will convert 1picomole cGMP to GMP per min at pH7.5 at 30°C .

Quality Control

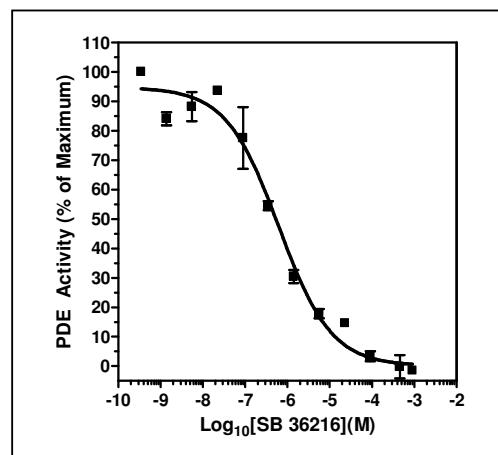
Enzyme Inhibitor: SB 36216*

Substrate: cGMP

IC₅₀ Range: 0.2 – 0.7 μM

Lot IC₅₀: 0.62 μM

* In-house reference compound



QC Pass: _____