

Certificate of Analysis

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For *In Vitro* Research Use Only

Human Phosphodiesterase 5Cat (hPDE5Cat)

Catalogue Number: H-PDE5Cat-10U
Lot Number: 702140C

Source: Partially purified human recombinant PDE5A (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 μl per unit (or 0.5 units per μl). 1 unit is defined as the amount of enzyme that will convert 1 picomole cGMP to GMP per min at pH7.5 at 30°C .

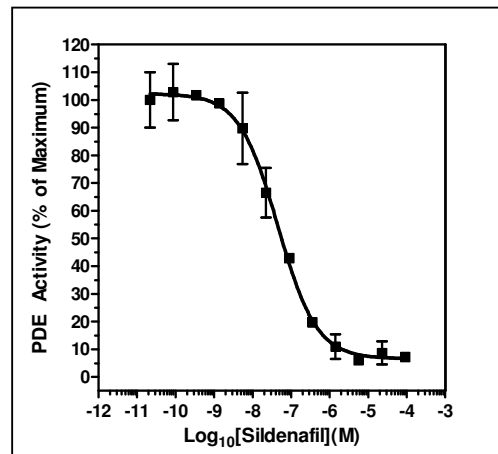
Quality Control

Enzyme Inhibitor: Sildenafil

Substrate: cGMP

IC₅₀ Range: 10 – 80nM

Lot IC₅₀: 45nM



QC Pass: _____