

Certificate of Analysis

For *In Vitro* Research Use Only

Human Phosphodiesterase 6AB (hPDE6AB)

Catalogue Number: H-PDE6AB-10U
Lot Number: 800141B

Source: Partially purified human recombinant PDE6AB cloned from human retina and expressed in *S. frugiperda* insect cells using a baculovirus expression system.

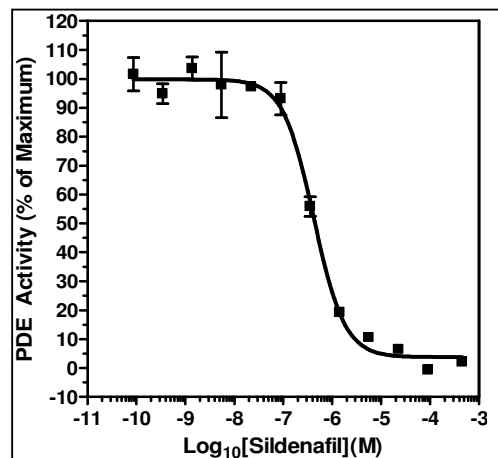
Stability & Storage: Stable for 1 year at $\leq -70^{\circ}\text{C}$ from date of shipment. For best results, aliquot and freeze the product on initial thaw and avoid repeated freeze thaw cycles.

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

Activity: 10 units per vial, 5 μl per unit (or 0.2 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 $^{\circ}\text{C}$.

Quality Control

Enzyme Inhibitor: Sildenafil
Substrate: cGMP
IC₅₀ Range: 0.3 – 0.5 μM
Lot IC₅₀: 0.42 μM



QC Pass: _____