



Mitochondrial Complex V Activity Assay kit

Mitochondrial Complex V, also known as F₁F₀-ATP synthase, is widely present in the mitochondria of animals, plants, microorganisms and cultured cells, and consists of two subunits, F₁ and F₀. The enzyme uses the electrochemical gradient of protons produced by the respiratory chain to catalyze the synthesis of ATP, and can also hydrolyze ATP in a reversible process. In addition, complex V also exists in chloroplasts, heterotrophic bacteria and photosynthetic bacteria. Complex V is the key enzyme for mitochondrial oxidative phosphorylation and chloroplast photosynthetic phosphorylation to synthesize ATP.

Complex V hydrolyzes ATP to produce ADP and Pi. The activity of Complex V is determined by measuring the Pi increase rate.

Catalog No.	250144
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Visible spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs