



## Mitochondrial Complex V Activity Assay kit

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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
Storage/Stability	-20°C/1 year
Shipping	Gel Packs