



## NAD Kinase Activity Assay kit

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NADK (EC 2.7.1.23) is widely present in animals, plants, microorganisms and cultured cells. NAD<sup>+</sup> phosphorylation to generate NADP<sup>+</sup> Enzyme, which can catalyze the phosphorylation reaction of NAD(H) with ATP or inorganic polyphosphate. Therefore, NAD kinase plays an important role in the synthesis of NADP(H) and regulating the balance between NAD(H) and NADP(H). NADK catalyzes the phosphorylation of NAD<sup>+</sup> to generate NADP<sup>+</sup>.

NADP<sup>+</sup> can be reduced to NADPH by 6-phosphate glucose dehydrogenase. The hydrogen transfer effect of oxidized thiazole blue (MTT) can reflect the activity of NADK through its absorbance at 570nm.

Catalog No.	250103
Size	50 Assays / 100 Assays
Product Category	Enzymatic / Metabolic Assay
Detection Method	UV Spectrophotometry
Storage/Stability	-20°C/1 year
Shipping	Gel Packs