

Bioactive

G6PDH (*L. mesenteroides*), NAD Assayed

Catalog # P5267 Size 2000 Units

Specification

Product Description	Lyophilized. Same as Cat.# P5264 except assayed using NAD. Phosphohexose isomerase, phosphogluconate dehydrogenase, adenylate kinase and creatine phosphokinase contaminant activities ≤ 0.011%, 0.002%, 0.0011% and 0.0011% respectively.
Biological function	Glucose-6-phosphate dehydrogenase is a cytosolic enzyme in the pentose phosphate pathway, which is a metabolic pathway that supplies reducing energy to cells by maintaining the level of the co-enzyme NADPH.
Host	Bacteria
Theoretical MW (kDa)	104
Form	Lyophilized
Preparation Method	Native protein chromatographically purified from <i>Leuconostoc mesenteroides</i>
Activity	≥360 NAD units per mg protein. One Unit reduces one micromole of NAD per minute at 37°C, pH 7.8, using glucose-6-phosphate as substrate.
Recommend Usage	Glucose-6-Phosphate Dehydrogenase Assay
Storage Instruction	Store at 4°C.
Note	Care should be taken not to shake the solution as precipitation may result.

Applications

- Enzyme Activity