

Product Datasheet

Recombinant Human Glucokinase/GCK Protein NBP1-99786

Unit Size: 0.01 mg

Store at -80C. Avoid freeze-thaw cycles.

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NBP1-99786

Recombinant Human Glucokinase/GCK Protein

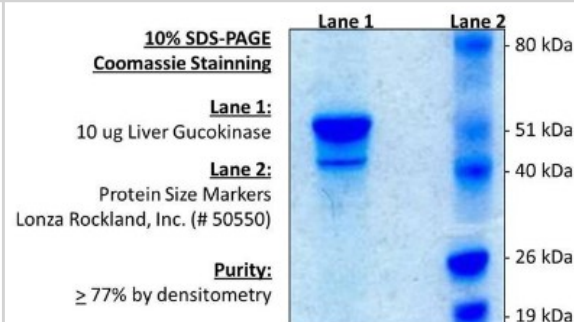
Product Information	
Unit Size	0.01 mg
Concentration	1 mg/ml
Storage	Store at -80C. Avoid freeze-thaw cycles.
Purity	>77%, by SDS-PAGE
Buffer	50 mM potassium phosphate pH 7.4, 50 mM sodium chloride, 0.5 mM DTT, 0.5 mM EDTA, and 2.5% glycerol.
Target Molecular Weight	53.4 kDa

Product Description	
Description	Recombinant protein containing 474 amino acids for Human Glucokinase/GCK Source: <i>E. coli</i> . Amino Acid Sequence: (P35557)
Gene ID	2645
Gene Symbol	GCK
Species	Human
Preparation Method	Determined to be >77% pure by SDS-PAGE

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity
Application Notes	Unit Definition: One unit is defined as the amount of enzyme that will convert 1 pmol of NADP to NADPH at 30°C. Assay conditions: 25 mM HEPES pH 7.5 2 mM MgCl ₂ 1.0 mM DTT 0.5 mM NADP 2.0 mM ATP 25 mM glucose 100 µg/ml BSA 20 units/ml glucose 6-phosphate dehydrogenase and 10 nM human pancreatic glucokinase at 30°C for 30 min. Specific activity: 662 pmol/min/µg. One unit is defined as the amount of enzyme that will convert 1 pmol of NADP to NADPH at 30°C. Assay conditions: 25 mM HEPES, pH 7.5, 2 mM MgCl ₂ , 1.0 mM DTT, 0.5 mM NADP, 2 mM ATP, 25 mM glucose, 100 µg/ml BSA, 20 units/ml glucose 6-phosphate dehydrogenase, and 10 nM human liver glucokinase at 30°C for 30 min.

Images

SDS-Page: Recombinant Human Glucokinase/GCK Protein [NBP1-99786]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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