



Product Datasheet

Product Name	Hexokinase-2 Human Recombinant
Cata No	CB500833
Source	Escherichia Coli.
Synonyms	Hexokinase-2, EC 2.7.1.1, HK2, Hexokinase type II, HK II, Muscle form hexokinase, HXK2, DKFZp686M1669.

Description

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. Hexokinase 2 is the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells

HK2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain fused to His tag at the N-terminal encoding the sequence of 937 amino acids and having a molecular mass of 104.1 kDa.

HXK2 is purified by proprietary chromatographic techniques.

Purity

Greater than 90.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Storage

Store at 4°C if entire vial will be used within 2-4 weeks.
Store, frozen at -20°C for longer periods of time.

Please prevent freeze-thaw cycles.

Formulation

The protein (1mg/ml) contains 20mM Tris pH8.0 and 10% glycerol.

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