Recombinant Human HK2 Protein, MYC/DDK-tagged

Cat. No. HK2-329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HK2 fused with MYC/DDK tag at C-terminal was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-917 aa
Description	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	102.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	HK2 hexokinase 2 [Homo sapiens]
Official Symbol	HK2
Synonyms	HK2; hexokinase 2; hexokinase-2; HK II; hexokinase type II; hexokinase-2, muscle; muscle form hexokinase; HKII; HXK2; DKFZp686M1669;
Gene ID	3099
mRNA Refseq	NM_000189
Protein Refseq	NP_000180
MIM	601125
UniProt ID	P52789

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