

Recombinant Mouse Hkdc1 Protein, Myc/DDK-tagged

Cat. No. Hkdc1-3408M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length hexokinase domain containing 1 (Hkdc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the phosphorylation of hexose to hexose 6-phosphate, although at very low level compared to other hexokinases. Has low glucose phosphorylating activity compared to other hexokinases. Involved in glucose homeostasis and hepatic lipid accumulation. Required to maintain whole-body glucose homeostasis during pregnancy; however additional evidences are required to confirm this role.
Molecular Mass	102.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Hkdc1 hexokinase domain containing 1 [Mus musculus (house mouse)]
Official Symbol	Hkdc1
Synonyms	HKDC1; hexokinase domain containing 1; putative hexokinase HKDC1; hexokinase domain-containing protein 1; BC016235; MGC28816
Gene ID	216019
mRNA Refseq	NM_145419
Protein Refseq	NP_663394
UniProt ID	Q91W97

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