

Recombinant Human HKDC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HKDC1-1345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HKDC1 MS Standard C13 and N15-labeled recombinant protein (NP_079406) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the hexokinase protein family. The encoded protein is involved in glucose metabolism, and reduced expression may be associated with gestational diabetes mellitus. High expression of this gene may also be associated with poor prognosis in hepatocarcinoma.
Molecular Mass	102.5 kDa
AA Sequence	MFAVHLMAFYFSKLIKEDQIKKVDRFLYHMRLSDDTLLDIMRRFRAEMEKGLAKDTNP TAAVKMLPTFVRAIPDGSENGEFLSLDLGGSKFRVLKVQVAEEGKRHVQMESQFYF TPNEIIRGNGTELFEYVADCLADFMKTKDLKHKKLPLGLTFSFPCRQTKLEEGVLLSW TKKFKARGVQDQDVSRLTKAMRRHKDMDVDILALVNDTVGTMMTCAYYDDPYCEV GVIIGTGTNACYMEDMSNIDLVEGDEGRMCINTEWGAFGDDGALEDIRTEFDRELDL GSLNPGKQLFEKMISGLYLGLVRLILLKMAKAGLLFGGEKSSALHTKGIETRHVAA MEKYKEGLANTREILVDLGLPSEADCIQVHVCTIVSFRSANLCAAALAAILTRLREN KKVERLRRTTVGMDGTLYKIHPQYPKRLHKVVRKLVPSCDVRFLSESGSTKGAAMV TAVASRVQAQRKQIDRVLALFQLTREQLVDVQAKMRAELEYGLKKKSHGLATVRML

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PTYVCGLPDGTEKGKFLALDLGGTNFRVLLVKIRSGRRSVRMYNKIFAIPLEIMQGTG
EELFDHIVQCIADFLDYMGLKGASLPLGFTFSFPCRQMSIDKGTIGWTKGFKATDCE
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YEKMTSGMYLGEIVRQILIDLTKQGLLFRGQISERLRTRGIFETKFLSQIESDRLALLQ
VRRILQQLGLDSTCEDSIVVKEVCGAVSRRAAQLCGAGLAAIVEKRREDQGLEHLRIT
VGVDGTLYKLHPHFSRILQETVKELAPRCDVTFMLSEDGSGKGAALITAVAKRLQQA
QKENTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HKDC1 hexokinase domain containing 1 [Homo sapiens (human)]
Official Symbol	HKDC1
Synonyms	HKDC1; hexokinase domain containing 1; FLJ22761; FLJ37767;
Gene ID	80201
mRNA Refseq	NM_025130

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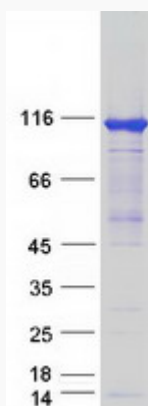
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Protein Refseq NP_079406

MIM 617221

UniProt ID Q2TB90

SDS-PAGE



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