

Recombinant Human HK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HK3-2995H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HK3 MS Standard C13 and N15-labeled recombinant protein (NP_002106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate.
Molecular Mass	98.8 kDa
AA Sequence	MDSIGSSGLRQGEETLSCSEEGLPGPSDSSELVQECLQQFKVTRAQLQQIQASLLG SMEQALRGQASPAPAVRMLPTYVGSTPHGTEQGDFVLELGATGASLRVLWVTLT GIEGHRVEPRSQEFVIPQEVMLGAGQQLFDFAAHCLSEFLDAQPVNKQGLQLGFSF SFPCHQTGLDRSTLISWTKGFRCSGVEGQDVVQLLRDAIRRQGAYNIDVVAVVNDT VGTMMGCEPGVRPCEVGLVVDGTNACYMEEARHVAVLDEDRGRVCVSVEWGSF SDDGALGPVLTTFDHTLDHESLNPGAQRFEKMIGGLYLGEVLRLVLAHLARCGVLFG GCTSPALLSQGSILLEHVAEMEDPSTGAARVHAILQDLGLSPGASDVELVQHVCAAV CTRAAQLCAAALAAVLSCLQHSREQQTLQVAVATGGRVCERHPRFCSVLQGTVMMLL APECDVSLIPSVDDGGGRGVAMVTAVAARLAAHRRLLLEETLAPFRLNHDQLAAVQAQ

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MRKAMAKGLRGEASSLRMLPTFVRATPDGSEGRDGLALDLGGTNFRVLLVRVTGTV
 QITSEIYSIPETVAQGGSGQLFDHIVDCIVDFQKQKGLSGQSLPLGFTFSFPCRQLGL
 DQGILLNWTGFKASDCEGQDVVSLREAITRRQAVELNVVAIVNDTVGTMMSCGY
 EDPRCEIGLIVGTGTNACYMEELRNVAGVPGDSGRMCINMEWGAFGDDGSLAMLS
 TRFDASVDQASINPGKQRFKEMISGMYLGEIVRHILLHLTSLGVLFRGQQIQRLQTRD
 IFKTKFLSEIESDSLALRQVRAILEDLGLPLTSSDALMVLEVCQAVSQRAAQLCGAGV
 AAVVEKIRENRGLEELAVSVGVDGTLYKLHPRFSSLVAATVRELAPRCVVTFQLQSED
 GSGKGAALVTAVACRLAQLTRVTRRLEQKLISEEDLAANDILDYKDDDDKV

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 HK3 hexokinase 3 [Homo sapiens (human)]

Official Symbol HK3

Synonyms HK3; hexokinase 3 (white cell); hexokinase-3; HK III; hexokinase type III; ATP:D-hexose 6-phosphotransferase; HXK3; HKIII;

Gene ID 3101

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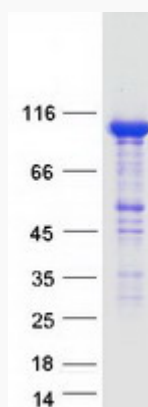
mRNA Refseq NM_002115

Protein Refseq NP_002106

MIM 142570

UniProt ID P52790

SDS-PAGE



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