

Recombinant Human HK3 Protein, His-tagged

Cat. No. HK3-155H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HK3 fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	100kD
AA Sequence	MDSIGSSGLRQGEETLSCSEEGLPGPSDSSELVQECLQQFKVTRAQLQQIQASLLG SMEQALRGQASPAPAVRMLPTYVGSTPHGTEQGDFVVLELGATGASLRVLWVTLT GIEGHRVEPRSQEFVIPQEVMLGAGQQLFDFAAHCLSEFLDAQPVNKQGLQLGFSS SFPCHQTGLDRSTLISWTKGFRCSGVEGQDVVQLLRDAIRRGAYNIDVVAVVNDT VGTMMGCEPGVRPCEVGLVVDGTNACYMEEA
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	HK3 hexokinase 3 (white cell) [Homo sapiens]
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Official Symbol	HK3
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Synonyms	HK3; hexokinase 3 (white cell); hexokinase-3; HK III; hexokinase type III; ATP:D-hexose 6-phosphotransferase; HXK3; HKIII;
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Gene ID	3101
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mRNA Refseq	NM_002115
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Protein Refseq	NP_002106
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MIM	142570
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UniProt ID	P52790
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