

Recombinant Full Length Human HK3 Protein, GST-tagged

Cat. No. HK3-3549HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HK3 full-length ORF (AAH28129.1, 1 a.a. - 923 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	923 amino acids
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. [provided by RefSeq
Molecular Mass	125.4 kDa
AA Sequence	MDSIGSSGLRQGEETLSCSEEGLPGPSDSSELVQECLQQFKVTRAQLQQIQASLLG SMEQALRGQASPAPAVRMLPTYVGSTPHGTEQGDFVVLGATGASLRVLWVTLT GIEGHRVEPRSQEFVIPQEVMLGAGQQFLDFAAHCLSEFLDAQPVNKQGLQLGFSF SFPCHQTGLDRSTLISWTKGFRCSGVEGQDVVQLLRDAIRRQGAYNIDVVAVVNDT VGTMMGCEPGVRPCEVGLVVDGTNACYMEEARHVAVLDEDRGRVCVSVEWGSF SDDGALGPVLTTFDHTLDHESLNPGAQRFEKMIGGLYLGEVLRLVLAHLARCGVLF GCTSPALLSQGSILLEHVAEMEDPSTGAARVHAILQDLGLSPGASDVELVQHVC CTRAAQLCAAALAAVLSCLQHSREQQTLQVAVATGGRVCERHPRFCSVLQGTVM LLAPECDVSLIPSDGGGRGVAMVTAVAARLAHRRLLLEETLAPFRLNHDQLAAVQAQ

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MRKAMAKGLRGEASSLRMLPTFVRATPDGSEGRDGLALDLGGTNFRVLLVRVTGTV
 QITSEIYSIPETVAQGGSGQQLFDHIVDCIVDFQQKQGLSGQSLPLGFTFSFPCRQLGL
 DQGILLNWTGFKASDCEGQDVVSLLREAITRRQAVELNVVAIVNDTVGTMMSCGY
 EDPRCEIGLIVGTGTNACYMEELRNVAGVPGDSGRMCINMEWGAFGDDGSLAMLS
 TRFDASVDQASINPGKQRFKEMISGMYLGEIVRHILLHLTSLGVLFRGQQIQRLQTRD
 IFKTKFLSEIESDSLALRQVRAILEDLGLPLTSSDALMVLEVVCQAVSQRAAQLCGAGV
 AAVVEKIRENRGLEELAVSVGVDGTLYKLHPRFSSLVAATVRELAPRCVVTFQLQSED
 GSGKGAALVTAVACRLAQLTRV

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

HK3 hexokinase 3 (white cell) [Homo sapiens]

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

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