

Recombinant Human HK3 Protein, GST-tagged

Cat. No. HK3-4826H **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	Wheat Germ
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 SMEQALRGQASPAPAVRMLPTYVGSTPHGTEQGDFVLELGATGASLRVLWVTLT GIEGHRVEPRSQEFVIPQEVMLGAGQQLFDFAAHCLSEFLDAQPVNKQGLQLGFSF SFPCHQTGLDRSTLISWTKGFRCSGVEGQDVVQLLRDAIRRQGAYNIDVVAVVNDT VGTMMGCEPGVRPCEVGLVVDGTNACYMEEARHVAVLDEDRGRVCVSVEWGSF SDDGALGPVLTTFDHTLDHESLNPGAQRFEKMIGGLYLDELVRLVLAHLARCGVLFG GCTSPALLSQGSILLEHVAEMEDPSTGAARVHAILQDLGLSPGASDVELVQHCAAV CTRAAQLCAAALAAVLSCLQHSREQQTLQVAVATGGRVCERHPRFCSVLQGTVMMLL APECDVSLIPSDGGGRGVAMVTAVAARLAAHRRLLLEETLAPFRLNHDQLAAVQAQ MRKAMAKGLRGEASSLRMLPTFVRATPDGSERGDFLALDLGGTNFRVLLVRVTTGV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QITSEIYSIPETVAQGSGQQLFDHIVDCIVDFQQKQGLSGQSLPLGFTFSFPCRQLGL
DQGILLNWTKGFKASDCEGQDVVSLREAITRRQAVELNVVAIVNDTVGTMMSCGY
EDPRCEIGLIVGTGTNACYMEELRNVAGVPGDSGRMCINMEWGAFGDDGSLAMLS
TRFDASVDQASINPGKQRFKEMISGMYLGEIVRHILLHLTSLGVLFRRGQQIQLRLQTRD
IFKTKFLSEIESDSLALRQVRAILEDLGLPLTSDDALMVLEVCQAVSQRAAQLCGAGV
AAVVEKIRENRGLEELAVSVGVDGTLYKLHPRFSSLVAATVRELAPRCVVTFLQSED
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](#)

mRNA Refseq

[NM_002115](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

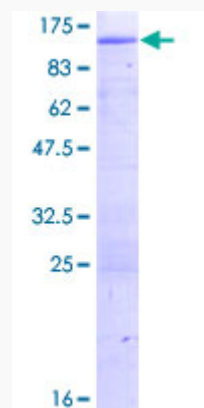
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_002106

MIM 142570

UniProt ID P52790

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA