



Recombinant Human HK1 Protein Product Manual

1. Product Basic Information

Product No.: REP07116

Protein Name: Hexokinase Hexokinase-Hexokinase-Hexokinase Ir (HK1)

Aliases: HK; HKD; HKI; HXK1; NMSR; RP79; HMSNR; CNSHA5; HK1-ta; HK1-tb; HK1-tc; NEDVIBA; hexokinase; hexokinase hexokinase-hexokinase-hexokinase IR; glycolytic enzyme; hexokinase type brain form hexokinase

UniProt ID: P19367

UniProt Link: <https://www.uniprot.org/uniprotkb/P19367/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-917aa)

Molecular Weight: 106.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-917aa)

MIAAQLLAYFYFTELKDDQVKKIDKYLYAMRLSDETLIDIMTRFRKEMKNGLSRDFNPT
ATVKMLPTFVRSIPDGSEKGFIALDLGGSSFRILRVQVNHEKNQNVHMESEVYDTP
ENIVHGSGSQLFDHVAECLGDFMEKRKIKDKKLPVGFTFSFPCQQSKIDEAILITWTK
RFKASGVEGADVVKLLNKAIKKRGDYDANIVAVVNDTVGTMMTCGYDDQHCEVGLI
IGTGTNACYMEELRHIDLVEGDEGRMCINTEWGAFGDDGSLEDIRTEFDREIDRGSL
NPGKQLFEKMOVSGMYLGELVRLILVKMAKEGLLFEGRITPELLTRGKFNTSDVSAIE
KNKEGLHNAKEILTRLGVEPSDDDCVSVQHVCIVSFRSANLVAATLGAILNRLRDN
KGTPLRLRTTVGVDGSLYKTHPQYSRRFHKTLRRLVPDSDVRFLLESSESGSGKGAAM
VTAVAYRLAEQHRQIEETLAHFHLTKDMLLEVKKRMRAEMELGLRKQTHNNNAVVKM
LPSFVRRTPDGTENGDFLALDLGGTNFRVLLVKIRSGKKRTVEMHNKIYAIPIEIMQG
TGEELFDHIVSCISDFLDYMGIGKPRMPLGFTFSFPCQQTSLDAGILITWTKGFKATD
CVGHDVVTLRLDAIKRREEFDLDVAVVNDTVGTMMTCAYEEPTCEVGLIVGTGSN
ACYMEEMKNVEMVEGDQGMCMINMEWGAFGDNGCLDDIRTHYDRLVDEYSLNAG
KQRYEKMISGMYLGEIVRNILIDFTKKGFLFRGQISETLKTRGIFETKFLSQIESDRLAL
LQVRAILQQGLNSTCDDSVLKVTCGVVSRRAAQLCGAGMAAVVDKIRENRGLDR
LNVTVGVDGTLYKLHPHFSRIMHQTVKELSPKCNVSFLLSEDGSGKGAALITAVGVR

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human HK1 full length protein (1-917aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. HK1, also known as HK or HKD or HKI, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.