

Product Datasheet

Recombinant Human Hexokinase 1 His Protein NBC1-18390

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

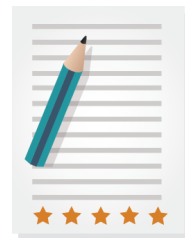
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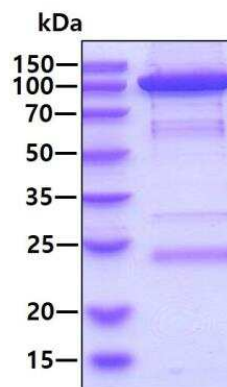
NBC1-18390**Recombinant Human Hexokinase 1 His Protein**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>85%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 10% glycerol
Target Molecular Weight	104.6 kDa
Product Description	
Description	A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-917 of Human Hexokinase 1 Source: <i>E.coli</i> Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MIAAQLLAYY FTELKDDQVK KIDKYLYAMR LSETLIDIM TRFRKEMKNG LSRDFNPTAT VKMLPTFVRS IPDGSEKGDF IALDLGGSSF RILRVQVNHE KNQNVHMESE VYDTPENIVH GSGSQLFDHV AECLGDFMEK RKIKDKKLPV GFTFSFPCQQ SKIDEAILIT WTKRFKASGV EGADVVKLLN KAIKKRGDYD ANIVAVVNDT VGTMMTCGYD DQHCEVGLII GTGTNACYME ELRHIDLVEG DEGRMCINTE WGAFGDDGSL EDIRTEFDRE IDRGSLNPGK QLFKEMVSGM YLGELVRLIL VKMAKEGLLF EGRITPELLT RGKFNTSDVS AIEKNKEGLH NAKEILTRLG VEPSDDDCVS VQHVCTIVSF RSANLVAATL GAILNRLRDN KGTPRLRTTV GVDGSLYKTH PQYSRRFHKT LRRLVPDSDV RFLLESSESGS KGAAMVTAVA YRLAEQHRQI EETLAHFHLT KDMILLEVKKR MRAEMELGLR KQTHNNNAVVK MLPSFVRRTP DGTENGDFLA LDLGGTNFRV LLVKIRSGKK RTVEMHNKIY AIPIEIMQGT GEELFDHIVS CISDFLDYMG IKGPRMPLGF TFSFPCQQTS LDAGILITWT KGFKATDCVG HDVVTLLRDA IKRREEFDLD VVAVVNDTVG TMMTCAYEEP TCEVGLIVGT GSNACYMEEM KNVEMVEGDQ GQMCINMEWG AFGDNGCLDD IRTHYDRLVD EYSLNAGKQR YEKMISGMYL GEIVRNILID FTKKGFLFRG QISETLKTRG IFETKFLSQI ESDRLALLQV RAILQQGLGN STCDDSVLK TVCGVVSRAA AQLCGAGMAA VVDKIRENRG LDRLNVTGVG DGTLYKLHPH FSRIMHQT VK ELSPKCNVSF LLSGSGSGK AALITAVGVR LRTEASS
Gene ID	3098
Gene Symbol	HK1
Species	Human
Details of Functionality	Specific activity is > 8,000 pmol/min/ug. One unit will convert 1 pmole of D-Glucose to D-Glucose-6-phosphate per minute at pH 7.5 at 37C.
Product Application Details	
Applications	SDS-Page, Enzyme Activity
Recommended Dilutions	SDS-Page, Enzyme Activity



Images

SDS-Page: Recombinant Human Hexokinase 1 Protein [NBC1-18390] - 3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain



Publications

Peng S, Gerasimenko JV, Tsugorka TM et al. Galactose protects against cell damage in mouse models of acute pancreatitis J Clin Invest. [PMID: 29893744] (BA, Mouse)

Norman GL, Yang CY, Ostendorff HP et al. Anti-kelch-like 12 and anti-hexokinase 1: novel autoantibodies in primary biliary cirrhosis. Liver Int. 2014-09-19 [PMID: 25243383] (ELISA)

Details:

Hexokinase 1 protein used in the ELISA assay for the detection of anti-hexokinase 1: novel autoantibodies in the serum samples from primary biliary cirrhosis



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 2 years from date of receipt.

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