

## Product datasheet

# Recombinant Human Hexokinase Type III/HK3 protein ab185851

### Description

<b>Product name</b>	Recombinant Human Hexokinase Type III/HK3 protein	
<b>Purity</b>	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.	
<b>Endotoxin level</b>	< 1.000 Eu/μg	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">P52790</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	<p>MDSIGSSGLRQGEETLSCSEEGLPGPSDSSSELVQECLQQ            FKVTRAQLQQI            QASLLGSMEQALRGQASPAPAVRMLPTYVGSTPHGTEQ            GDFVVLELGATG            ASLRVLWVTLTGIEGHRVEPRSQEFVIPQEVMLGAGQQLF            DFAAHCLSEF            LDAQPVNKQGLQLGFSFSFPCHQTGLDRSTLISWTKGFR            CSGVEGQDVVQ            LLRDAIRRQGAYNIDVVAVVNDTVGTMMGCEPGVRPCEV            GLVVDVTGTNAC            YMEEARHVAVLDEDRGRVCVSVEWGSFSDDGALGPVLT            TFDHTLDHESLN PGAQRFEKMIGGLYL GELVRLVLAH            LARCGVLFGGCTSPALLSQQSILLEHVAEMEDPSTGAAR            VHAILQDLGLS            PGASDVELVQHVCAAVCTRAAQLCAAALAAVLSCLQHS            REQQTLQVAVAT            GGRVCERHPRFCSVLQGTVMMLAPECDVSLIPSDGGGR            GVAMVTAVAAR            LAAHRRLLEETLAPFRLNHDQLAAVQAQMRKAMAKGLRG            EASSLRMLPTF            VRATPDGSERGDFLALDLGGTNFRVLLVRVTTGVQITSEIY            SIPETVAQG            SGQQQFDHIVDCIVDFQKQGLSGQSLPLGFTFSFPCRQL</p>	

GLDQGILLNW  
TKGFKASDCEGQDVVSLLEAITRRQAVELNVVAIVNDTV  
GTMMSCGYED  
PRCEIGLVGTGTNACYMEELRNVAGVPGDSGRMCINME  
WGAFGDDGSLA  
MLSTRFDASVDQASINPGKQRFKEMISGMYLGEMVRHILLH  
LTSLGVLFR  
GQQIQLQTRDIFKTKFLSEIESDSLALRQVRAILEDLGLPL  
TSDDALMV  
LEVCAVVSQRAAQLCGAGVAAVVEKIRENRGLEELAVSV  
GVDGTYKLHP  
RFSSLVAATVRELAPRCVVTFLLQSEDGSGKGAALVTAVA  
CRLAQLTRVLE HHHHHH

<b>Predicted molecular weight</b>	100 kDa including tags
<b>Amino acids</b>	1 to 923
<b>Tags</b>	His tag C-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab185851** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE HPLC
<b>Form</b>	Lyophilized
<b>Additional notes</b>	This product was previously labelled as Hexokinase Type III

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at Room Temperature. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C or -80°C. Avoid freeze / thaw cycle.  pH: 7.40 Constituent: 100% PBS  Lyophilized from a 0.2 µM filtered solution
<b>Reconstitution</b>	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 3X PBS. Please aliquot the reconstituted solution

## General Info

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<b>Pathway</b>	Carbohydrate metabolism; hexose metabolism.
<b>Sequence similarities</b>	Belongs to the hexokinase family.
<b>Domain</b>	The N- and C-terminal halves of this hexokinase show extensive sequence similarity to each other. The catalytic activity is associated with the C-terminus while regulatory function is

associated with the N-terminus.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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