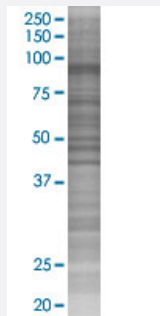


HK3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003101-T02

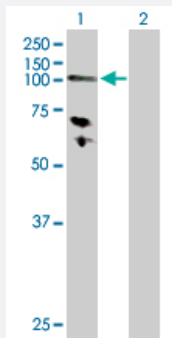
Size 100 uL

Applications



SDS-PAGE Gel

HK3 transfected lysate.



Western Blot

Lane 1: HK3 transfected lysate (99.00 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HK3 full-length
Host	Human
Theoretical MW (kDa)	99
Interspecies Antigen Sequence	Mouse (85); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-HK3 antibody ([H00003101-D01P](#)) by Western Blots.
SDS-PAGE Gel
HK3 transfected lysate.
Western Blot
Lane 1: HK3 transfected lysate (99.00 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — HK3

Entrez GeneID

[3101](#)

GeneBank Accession#

[BC028129.1](#)

Protein Accession#

[AAH28129.1](#)

Gene Name

HK3

Gene Alias

HKIII, HXK3

Gene Description

hexokinase 3 (white cell)

Omim ID

[142570](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

ATP:D-hexose 6-phosphotransferase|hexokinase 3

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Fructose and mannose metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)
- [Type II diabetes mellitus](#)