

Datasheet for ABIN7550753

## PHKG2 Protein (AA 1-406) (His tag)



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### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | PHKG2  |
| Protein Characteristics:      | AA 1-406                                     |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This PHKG2 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)        |

### Product Details

|                  |  |
|------------------|--|
| Purpose:         | Custom-made recombinat PHKG2 Protein expressed in mammalian cells.   |
| Sequence:        | <p>MTLDVGPED LPDWAAAKEF YQKYDPKDV GRGVSSVRR CVHRATGHEF AVKIMEVTAE</p> <p>RLSPEQLEEV REATRRETHI LRQVAGHPHI ITLIDSYESS SFMFLVFDLM RKGELFDYLT</p> <p>EKVALSEKET RSIMRSLLEA VSFLHANNIV HRDLKPENIL LDDNMQIRLS DFGFSCHLEP</p> <p>GEKLRELCGT PGYLAPEILK CSMDETHPGY GKEVDLWACG VILFTLLAGS PPFWHRRQIL</p> <p>MLRMIMEGQY QFSSPEWDDR SSTVKDLISR LLQVDPEARL TAEQALQHPF FERCEGSQPW</p> <p>NLTPRQRFRV AVWTVLAAGR VALSTHRVRP LTKNALLRDP YALRSVRHLI DNCAFRLYGH</p> <p>WVKKGEQQNR AALFQHRPPG PFPIMGPEEE GDSAAITEDE AVLVLG <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p> |
| Characteristics: | Key Benefits:  |

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

## Target Details

Target: PHKG2

Alternative Name: PHKG2 ([PHKG2 Products](#))

Background: Phosphorylase b kinase gamma catalytic chain, liver/testis isoform (PHK-gamma-LT) (PHK-gamma-T) (EC 2.7.11.19) (PSK-C3) (Phosphorylase kinase subunit gamma-2),FUNCTION: Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. May regulate glycogeneolysis in the testis. In vitro, phosphorylates PYGM (By similarity). {ECO:0000250, ECO:0000269|PubMed:10487978}.

Molecular Weight: 46.4 kDa

UniProt: [P15735](#)

Pathways: [Cellular Glucan Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

|               |                       |
|---------------|-----------------------|
|               | guarantee though.     |
| Restrictions: | For Research Use only |

Handling

|                  |  |
|------------------|--|
| Format:          | Liquid   |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C   |
| Storage Comment: | Store at -80°C.  |
| Expiry Date:     | 12 months  |