

## Recombinant Human PHKG1 Protein (T2-Y387), GST tagged

**Cat. No.** PHKG1-0209H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human GST-TEV-GG-PHKG1(T2-Y387 end) Protein was expressed in Insect cell.                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | T2-Y387                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                   |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                             |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                   |

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|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
|-----------------------|-----------------------------------------------------------------------|

|                 |                                  |
|-----------------|----------------------------------|
| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b> | PHKG1 phosphorylase kinase, gamma 1 (muscle) [ Homo sapiens (human) ] |
|------------------|-----------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | PHKG1 |
|------------------------|-------|

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|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b> | PHKG1; phosphorylase kinase, gamma 1 (muscle); PHKG; phosphorylase b kinase gamma catalytic chain, skeletal muscle isoform; phosphorylase kinase gamma; phosphorylase kinase subunit gamma-1; |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |      |
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| <b>Gene ID</b> | 5260 |
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|                    |           |
|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_006213 |
|--------------------|-----------|

|                       |           |
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| <b>Protein Refseq</b> | NP_006204 |
|-----------------------|-----------|

|            |        |
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| <b>MIM</b> | 172470 |
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| <b>UniProt ID</b> | Q16816 |
|-------------------|--------|

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