

## Recombinant Human PRKAB2, GST-tagged

**Cat. No.** PRKAB2-1946H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                   |
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| <b>Product Overview</b> | Recombinant Human PRKAB2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                        |
| <b>Species</b>          | Human                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-272aa                                                                                                                                                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

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|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PRKAB2 protein kinase, AMP-activated, beta 2 non-catalytic subunit [ Homo sapiens ]                                                                                                                                                |
| <b>Official Symbol</b> | PRKAB2                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | PRKAB2; protein kinase, AMP-activated, beta 2 non-catalytic subunit; 5-AMP-activated protein kinase subunit beta-2; AMPK beta 2; AMPK beta-2 chain; AMPK subunit beta-2; 5-AMP-activated protein kinase, beta-2 subunit; MGC61468; |

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| <b>Gene ID</b>             | 5565                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>         | NM_005399                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>      | NP_005390                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>                 | 602741                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>          | O43741                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 1q21.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Pathway</b>             | AMPK inhibits chREBP transcriptional activation activity, organism-specific biosystem; AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Energy Metabolism, organism-specific biosystem; Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; |
| <b>Function</b>            | contributes_to AMP-activated protein kinase activity; AMP-activated protein kinase activity; identical protein binding; protein binding; protein kinase binding;                                                                                                                                                                                                                                                                                                             |