

# Recombinant Human GCKR Protein, His-SUMO-tagged

**Cat. No.** GCKR-1223H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human GCKR Protein (1-625aa) was expressed in E. coli with N-terminal His-SUMO-tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-625 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Tris-based buffer, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 84.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MPGTKRFQHVETPEPGKWELSGYEAAVPITEKSNPLTQDLDKADAENIVRLLGQCD<br>AEIFQEEGQALSTYQRLYSESILTMMVQVAGKVQEVLPKEPDGGLVVLSSGGTSGRM<br>AFLMSVSFNQLMKGLGQKPLYTYLIAGGDRSVVASREGTEDSALHGIEELKKVAAGK<br>KRVIVIGISVGLSAPFVAGQMDCCMNNTAVFLPVLVGFNPVSMARNDPIEDWSSTFR<br>QVAERMQKMQEKQKAFVLNPAIGPEGLSGSSRMKGGSATKILLETLLAAHKTVDQ<br>GIAASQRCLLEILRTFERAHQVTYSQSPKIATLMKSVSTSLEKKGHVYLVGWQTLGIIA<br>IMDGVECIHTFGADFRDVRGFLIGDHSDMFNQKAELTNQGPQFTFSQEDFLTSLPSL<br>TEIDTVVFIFTLDDNLTEVQTIVEQVKEKTNHIQALAHSTVGQTLPIPLKKLFPSIISITW<br>PLFFFEYEGNFIQKFQRELSTKWVLNTVSTGAHVLLGKILQNHMLDLRISNSKLFWRA<br>LAMLQRFSGQSKARCIESLLRAIHFPQPLSDDIRAAPISCHVQVAHEKEQVIPIALLSLL<br>FRCSITEAQAHLAAAPSVCEAVRSALAGPGQKRTADPLEILEPDVQ |

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|                |                                                                                                                                                               |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>  | Greater than 90% as determined by SDS-PAGE.                                                                                                                   |
| <b>Storage</b> | The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |

## GENE INFORMATION

|                  |                                                     |
|------------------|-----------------------------------------------------|
| <b>Gene Name</b> | GCKR glucokinase regulator [ Homo sapiens (human) ] |
|------------------|-----------------------------------------------------|

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

|                 |                    |
|-----------------|--------------------|
| <b>Synonyms</b> | GKRP; FGQTL5; GCKR |
|-----------------|--------------------|

|                |      |
|----------------|------|
| <b>Gene ID</b> | 2646 |
|----------------|------|

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|--------------------|-------------|
| <b>mRNA Refseq</b> | NM_001486.3 |
|--------------------|-------------|

|                       |             |
|-----------------------|-------------|
| <b>Protein Refseq</b> | NP_001477.2 |
|-----------------------|-------------|

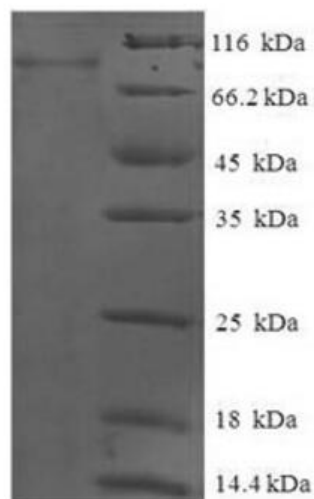
|            |        |
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| <b>MIM</b> | 600842 |
|------------|--------|

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|-------------------|--------|
| <b>UniProt ID</b> | Q14397 |
|-------------------|--------|

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